

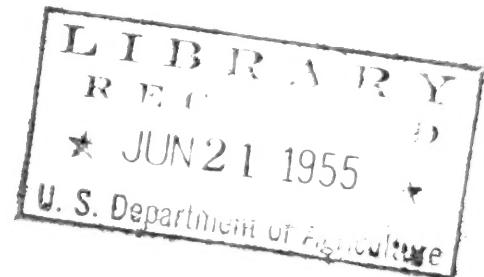
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# Catalog of Seeds

Compiled and Collected by

**Harry E. Saier**

ISSUED JUNE 1955.

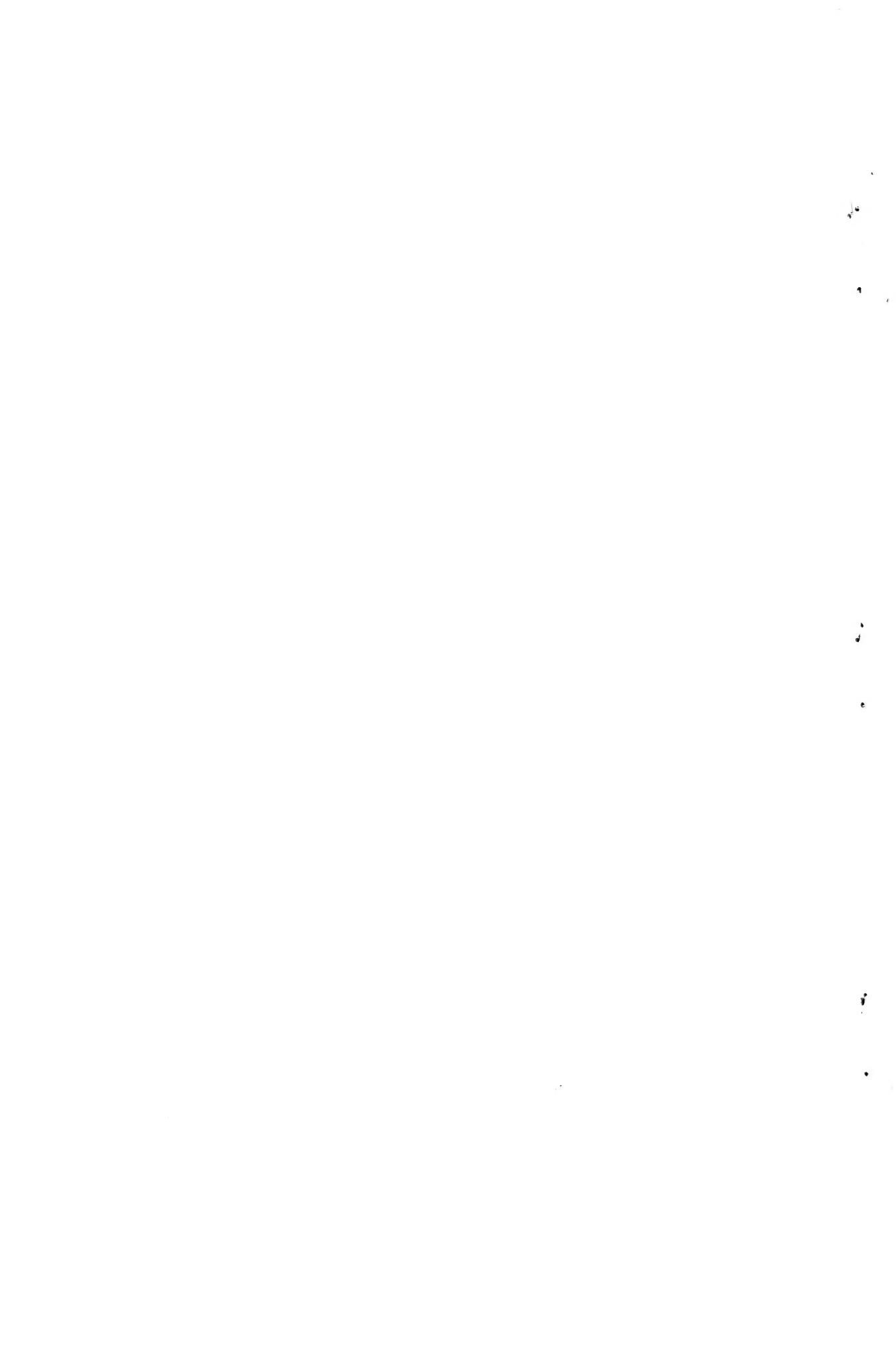


MY  
FORTY FOURTH  
YEAR

TWENTY FIVE CENTS

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**HARRY E. SAIER**  
Dimondale - Michigan - U. S. A.



# CATALOG NO. 11 FOR 1955

ISSUED MARCH, 1955.

JUN 14 1955

We hope our Customers will like the new type arrangement; it will allow more information to be given and in less space.

## CHARGE MADE FOR CATALOG.

The costs in getting out a Catalog, such as this, has become very great, even the postage bill amounts to more than the cost of the Catalog, 20 years ago! A charge of 25¢ will be made in the future on all requests; customers of the past year will be sent a copy without charge and where seed orders are sent in the 25¢ charge will be allowed as a credit; see order blank..

## HOW TO ORDER

Too many orders and letters are received with the name or address not plainly written; please print. If the symbols on each seed listing are given, it will make it possible to fill your order quicker.

Remittances of less than \$1.00 can be made in stamps.

## SYMBOLS USED

In order to give as much information as possible, certain symbols are used. Most of them are commonly used in horticultural books but a few are of our own invention: (C-27) means to see cultural direction number 27, which will be found in the back of the Catalog; if a letter follows the number, then see, also the directions under the letter given. The letters L and D means that germination takes place better if the seed pan is in a dark part of the room and L for light, means that it should be towards the window but never, of course, in direct sunshine; the letters, C and W following these letters means, cool and warm, and in a general way indicate the temperature the seed pan should be kept at; night temperatures, as a rule, should be 5 degrees lower than the day temperature.

The zone number—(IX)—means the approximate section north the plant will stand the winters; refer to the zone map which has been published in the Magazine, in the past.

## THE MAGAZINE.

The SAIER GARDEN MAGAZINE is published irregularly during the year, as we have the time to get it out; and while too few were gotten out in 1954, we hope to publish at least 6 during 1955. The subscription cost is \$2.00 for 10 issues.

## INFORMATION APPRECIATED.

There are a great many cultural hints to be added to the descriptions and any cust-

omer growing some special flower of which he or she has considerable experience, should send in their suggestions; it will help some one to grow better flowers.

## SEED COLLECTING.

There are a great many native flowering trees, shrubs and smaller plants of which the seed available must be gathered from the wild. We have over 300 such collectors and would be pleased to hear from more, not only here in the U. S. A. but in other countries especially. Sometimes what is considered as a weed in one section may be a beautiful flower in another section.

## AUTRALIAN—NEW ZEALAND BUYERS

Remittances can be sent to me at my Australian branch office at BORONIA, VICTORIA. Catalogs can also be secured from there but no seed is carried there. Seed sent to me from either Australia or New Zealand, **does NOT have to carry your nursery-stock certificate.** If your postmaster refuses the package, advise him that these certificates are for living plants and bulbs and not for flower seeds, especially for native seeds of which no possible inspection could be made.

Personal check can be sent from these countries, as they are banked in Australia, and thus conform to your currency regulations. Figure the N. Z. shilling at 14¢ and the Australian shilling at 11¢.

## CANADIAN CUSTOMERS

Where it will be of help, personal checks will be accepted at par: 100 cents to the dollar and without any exchange or clearance charges.

## ENGLISH CUSTOMERS.

You can send personal checks figured at 14¢ to the shilling; these checks will be deposited **IN ENGLAND**, thus conforming to your currency regulations.

The same applies to **SOUTH AFRICAN CUSTOMERS.**

## INCREASED POSTAL RATES

As this is being set there is talk of new increases in the postal rates. No doubt this will take place on 3rd class. This will affect the price on all heavy shipments such as supplies and therefore the selling price will be increased to cover the increase; some items may, no doubt, have to be discontinued entirely as already, postal rates are the better part of the retail price.

**HARRY E. SAIER, DIMONDALE, MICHIGAN**

# COMPLETE LIST OF ORNAMENTAL FLOWER, TREE & SHRUB SEEDS

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## A B I E S.

(AY-bih-eez) FIR. Pinaceae. Large evergreen trees, similar to the Spruces. Sow seed in the spring.

—*balsamea*.

Balsam Fir; for large lots stratify in sand 3-4 months; sow in fall if possible; new crop seed after Nov; lb. \$6.00.

—*cephalonica*.

Greek Fir. Greece; (IV).

—*Concolor*.

White Fir. Hardy tree; comes in several forms or varieties. lb. \$4.00.

—*magnifica v shastensis*.

Shasta Red Fir. Oz. 75¢; lb. \$5.00.

—*sachalinensis*.

Sazhalin Fir. N. Japan; very hardy Fir. Oz. 80¢; lb. \$8.00.

—*spectabilis*.

Himalayan Fir. New crop seed late in the winter; stratify and plant in spring.

—*Veitchii*.

Very hardy; cones bluish purple; suggest treatment as for *A. spectabilis*.

## A B R O N I A.

(ah-BRAH-ni-ah) Nyctaginaceae. Sand Verbena. Dwarf or trailing plants with pretty white, yellow or pink fragrant flowers. Treat as annuals, sowing seed early indoor for summer bloom; they do better when planted direct in the open ground and in the S seed can be sown in the fall. Remove husk before planting; often slow in germinating; sunny, light soils best.

—*umbellaia gr. fl. Rose*.

Pretty little trailer; 10"; HHA. Oz. 75¢.

## A B U T I L O N.

Flowering Maple (ab-YEW-til-on) Flowering Maple. Tender plants, most of which are grown indoors. They are easily grown from seed which can be grown out doors during the summer and lifted in the fall.

—*vitifolium*.

ABUT-20. 50¢ Light blue fls; fine for the greenhouse.

## A C A C I A

(ah-KAY-shah) Leguminosae. They are widely distributed in tropical and warm regions and have many valuable uses; not hardy in the N.; the hard seed coat of some species will stand being placed in the dieing embers of a fire, others germinate well in fresh wood ashes or given a hot water treatment or soaked in sulfuric acid.

—*accola*.

ACAC-2. 40¢ Shapely sh to 15 ft; golden fls; HHSh.

—*armata*.

Kangaroo-Thorn. Sh to 10 ft; Aust.

—*aspera*.

ACAC-8. 30¢ Baileyana.

ACAC-10. 30¢ Cootamunda Wattle. Most popular of the Silver Wattles; sh or small tr; N. S. W.

—*berlandieri*.

ACAC-14. 50¢ Small Mexican evergreen tree; yellowish white flowers; no thorns; (VII).

—*brachybotrya*.

ACAC-17. 25¢ A tall S. Australian shrub.

—*brownii*.

Deep golden fls; 2 ft; HHSh.

—*calamifolia*.

ACAC-20. 30¢ Sweet allowa A. Thin silver leaves; sm. gold fls; pods to 9" long; very decorative;

..FIR

has a thin silvery cane-like phyllodes; (IX).

—*cardiophylla*.

Wyalong Wattle. Beautiful foliage; golden flowers.

—*cultiformis*.

Knife Wattle. Golden fls; 8 ft; HHSh.

—*cyanaphylla*.

Blue-leaf Wattle. To 18 ft; magnificent tree for park or yard; W. Aust.

—*cyclopis*.

Spreading 8 ft HHSh; cream fls; summer; grown in the GH.

—*decurrens*.

Black Wattle. 30 ft; HHSh; spring; golden flowers.

—*mollis*.

Green Wattle. Tree to 20 ft; lvs yellowish when young; Aust.

—*normalis*.

Green Wattle. Tree; glabrous lvs; Aust.

—*discolor*.

Sunshine Wattle. Yellow fls; 8 ft; HHSh.

—*diffusa*.

Shrub to 6 ft; S. Australia.

—*dodonaeifolia*.

Deep golden flowers; spring; 15 ft; HHSh.

—*drummondii*.

Finest dwarf; 4 ft; golden fls; good GH.

—*elata*.

Cedar Wattle. Cream fls; 40 ft; HHSh.

—*Farnesiana*.

Popinac. Thorny shrub; 10 ft; flowers are very fragrant; Texas; HHSh.

—*glandulicarpa*.

(Pyracantha) Hairy Pod Acacit. 1-5 ft.

—*glaucescens*.

Coastal Myall. Yellow, sweet scented; 20 ft; good for the GGH.

—*hakiooides*.

Small tree or shrub; Australia.

—*iteaphylla*.

Good hedge plant; golden fls; 12 ft; HHSh; heads ½ inch across; W. Australia.

—*jublirissin*.

Silk-tree; (*Albizia jub.*) Seed have a seed coat dormancy and in small plantings it is best to file seed; germination spring.

—*melanoxyton*.

Black-wood. Cream fls; summer; 30 ft.

—*linifolia v. prominens*.

ACAC-77P. 35¢ Tall sh; fl heads in short racemes; N.S.W.

—*myrifolia*.

Pale yellow; sweet scented; 4 ft; HHSh.

—*montana*.

Mallee Wattle. 4-6 ft; Aust.

—*pendula*.

Weeping Myall. For dry areas; yellow fls; 15 ft; Aust.

—*podalyriæfolia*.

ACAC-107. 30¢ Queensland Silver Wattle. Tall glaucous sh; fl-heads in long racemes; Queensland.

—*prominens*: see *A. linifolia v. prominens*.

—*pruinosa*.

ACAC-111. 30¢ Spreading HHSh to 20 ft; cream fls.

—*pycnantha*.

ACAC-114. 30¢ Golden Wattle. Finest of all Acacias; shapely; large golden yellow fls; sweet scented; 15 ft; will thrive in only a few inches of soil.

—*regenisi*.

ACAC-117. 30¢ Neallu Wattle. Tall sh; 9-10 ft.

—*vitiæ*.

ACAC-145. 30¢ Weeping Boree. Good for exposed positions; yellow fls; 15 ft; Aust.

—*vittoria*.

ACAC-21. 40¢

Wyalong Wattle. Beautiful foliage; golden flowers.

—*culturiformis*.

ACAC-26. 40¢ Knife Wattle. Golden fls; 8 ft; HHSh.

—*cyanaphylla*.

ACAC-27. 30¢ Blue-leaf Wattle. To 18 ft; magnificent tree for park or yard; W. Aust.

—*cyclopis*.

ACAC-28. 40¢ Spreading 8 ft HHSh; cream fls; summer; grown in the GH.

—*decurrens*.

ACAC-32. 40¢ Black Wattle. 30 ft; HHSh; spring; golden flowers.

—*mollis*.

ACAC-32M. 25¢ Green Wattle. Tree to 20 ft; lvs yellowish when young; Aust.

—*normalis*.

ACAC-32N. 40¢ Green Wattle. Tree; glabrous lvs; Aust.

—*discolor*.

ACAC-36. 40¢ Sunshine Wattle. Yellow fls; 8 ft; HHSh.

—*diffusa*.

ACAC-35. 30¢ Shrub to 6 ft; S. Australia.

—*dodonaeifolia*.

ACAC-37. 40¢ Deep golden flowers; spring; 15 ft; HHSh.

—*drummondii*.

ACAC-40. 40¢ Finest dwarf; 4 ft; golden fls; good GH.

—*elata*.

ACAC-42. 40¢ Cedar Wattle. Cream fls; 40 ft; HHSh.

—*Farnesiana*.

ACAC-48. 30¢ Popinac. Thorny shrub; 10 ft; flowers are very fragrant; Texas; HHSh.

—*glandulicarpa*.

ACAC-50. 30¢ (Pyracantha) Hairy Pod Acacit. 1-5 ft.

—*glaucescens*.

ACAC-51. 30¢ Coastal Myall. Yellow, sweet scented; 20 ft; good for the GGH.

—*hakiooides*.

ACAC-54. 25¢ Small tree or shrub; Australia.

—*iteaphylla*.

ACAC-65. 30¢ Good hedge plant; golden fls; 12 ft; HHSh; heads ½ inch across; W. Australia.

—*jublirissin*.

ACAC-72. 25¢ Silk-tree; (*Albizia jub.*) Seed have a seed coat dormancy and in small plantings it is best to file seed; germination spring.

—*melanoxyton*.

ACAC-90. 40¢ Black-wood. Cream fls; summer; 30 ft.

—*linifolia v. prominens*.

ACAC-77P. 35¢ Tall sh; fl heads in short racemes; N.S.W.

—*myrifolia*.

ACAC-93. 30¢ Pale yellow; sweet scented; 4 ft; HHSh.

—*montana*.

ACAC-92. 30¢ Mallee Wattle. 4-6 ft; Aust.

—*pendula*.

ACAC-101. 30¢ Weeping Myall. For dry areas; yellow fls; 15 ft; Aust.

—*podalyriæfolia*.

ACAC-107. 30¢ Queensland Silver Wattle. Tall glaucous sh; fl-heads in long racemes; Queensland.

—*prominens*: see *A. linifolia v. prominens*.

—*pruinosa*.

ACAC-111. 30¢ Spreading HHSh to 20 ft; cream fls.

—*pycnantha*.

ACAC-114. 30¢ Golden Wattle. Finest of all Acacias; shapely; large golden yellow fls; sweet scented; 15 ft; will thrive in only a few inches of soil.

—*regenisi*.

ACAC-117. 30¢ Neallu Wattle. Tall sh; 9-10 ft.

—*vitiæ*.

ACAC-145. 30¢ Weeping Boree. Good for exposed positions; yellow fls; 15 ft; Aust.

—*vittoria*.

ACAC-150. 30¢

|   |                         |   |
|---|-------------------------|---|
| A prickly Acacia; to 10 ft; Aust.   |                         |   |
| — <b>Mixed.</b>   | <b>ACAC-X. 25¢</b>      | <b>ACH-13. 25¢</b>  |
| A mixture of all species.   |                         | Hybrid between <i>A. abrotanoides</i> and <i>Moschata</i> .   |
| <b>ACANTHUS.</b>  | <b>BEAR'S BREECH</b>    | <b>ACH-20. 25¢</b>  |
| (ah-KAN-thus) <i>Acanthaceae</i> . Bear's Breech. Perennials, thistle-like small shs; about 3 ft tall; fls white, rose or lilac on 18" spkles. They need heavy winter protection in the N; best in rich well drained soils. Seed sown in April will flower in August; TP.                                     |                         | Rounded heads of white fls; 2 ft; HP.   |
| — <b>mollis v. latifolia.</b>   | <b>ACK-1. 25¢</b>       | <b>ACH-20P. 25¢</b>   |
| Broad glossy lvs; curious pale purple fls; HB; C-23; DC .Oz 60¢; lb. \$5.00.  |                         | A pretty pink form.   |
| <b>ACER.</b>  | <b>MAPLE</b>            | <b>ACH-24P. 25¢</b>   |
| (AY-ser) <i>Aceraceae</i> . Street tree as well as for lumber; seed should be planted after collecting but properly stored seed can be planted the following spring; moist mineral soil for seed bed; ½ inch deep; mulch; it takes as much as 2 years in some species for all seed to germinate; order early. |                         | Double pure white much used as a cut-flower by the florists; HP.....1/4 oz. 75¢.  |
| — <b>Ginnala.</b>   | <b>ACER-26. 50¢</b>     | <b>ACH-33. 30¢</b>  |
| AMUR MAPLE. Seed needs 1-2 months of warm weather, in seed bed, to permit bacterial growth on seed coat but in N it's best to plan on 2 years in the seed bed; seed ripe Sept.-Nov. Order early.  |                         | A new lemon colored variety; 2-3 ft.  |
| — <b>glabrum.</b>   | <b>ACER-27. 50¢</b>     | <b>ACH-33W. 25¢</b>   |
| Rocky Mt. M. Sh or tr to 25 ft. C.S. Oz. 75¢; lb. \$4.00.   |                         | — <b>White.</b>   |
| — <b>grandidentatum.</b>  | <b>ACER-29. 40¢</b>     | <b>ACH-X. 20¢</b>   |
| To 40 ft; tree; Wyo. to N. Mex.   |                         | All kinds mixed.  |
| — <b>japonicum.</b>   | <b>ACER-36. 50¢</b>     |   |
| Full-moon M. Small tr or sh; fls purple in nodding corymbs; Japan. <b>Lb. \$4.50.</b>   |                         | <b>ACIP-1. 25¢</b>  |
| — <b>palmatum.</b>  | <b>ACER-50. 50¢</b>     | New Zealand border plant; white fls; 5 feet; TP.  |
| Japanese M. Sh or tr to 20 ft; pretty. <b>Lb. \$4.50.</b>   |                         |   |
| — <b>atropurpureum.</b>   | <b>ACER-59A. 50¢</b>    | <b>ACONITE</b>  |
| Deep purple leaves. <b>Lb. \$6.00.</b>  |                         | (AK-oh-nyt-um) <i>Ranunculaceae</i> . Aconite. Monk's hood. Herbaceous perennials; seed germinating slowly; sow out doors in May or June in shady place or they can be started indoors earlier but plants do not transplant easily; thin to 18" apart; bone meal is good fertilizer for them. C-24. |
| — <b>dissertum.</b>   | <b>ACER-59D. 50¢</b>    |   |
| Leaves divided to base into pinnately cut lobes. <b>Oz. \$1.40; lb. \$10.00.</b>  |                         | — <b>Anthora.</b>   |
| — <b>palmatum atropurpureum dissectum.</b>  | <b>ACER-59 D 50¢</b>    | <b>ACD-1. 30¢</b>   |
| JAPANESE MAPLE. New crop seed is late in arriving; suggest stratifying in moist sand at 40 degrees for a month or two, then at 30 degrees till spring; if kept too warm seed may germinate in the sand.   |                         | Pyrenees Monkshood. 2 ft; pale yellow.  |
| — <b>plataoides.</b>  | <b>ACER-62. 40¢</b>     | — <b>ferox.</b>   |
| NORWAY MAPLE. An excellent street tree. <b>Oz. 70¢; lb. \$3.50.</b>   |                         | Has violet flowers, interior lighter color. 1/2 Oz. \$2.00.   |
| — <b>saccharinum.</b>   | <b>ACER-73. 40¢</b>     | — <b>lycocionum.</b>  |
| SOFT M. Seed ripe April-Jnue 15th; seed should be planted as soon as possible; shade the seed bed.  |                         | Wolf'sbane. Hardy; yellow fls; 4 ft; moist soils; HP.   |
| — <b>saccharum.</b>   | <b>ACER-74. 40¢</b>     | — <b>Napellus.</b>  |
| Sugar Maple. Seed ripe about Oct; if stratified, it must not be too long as germination may occur; sow in spring.   |                         | 4 ft; very poisonous.   |
| — <b>spicatum.</b>  | <b>ACER-78. 50¢</b>     | — <b>palmatum.</b>  |
| MOUNTAIN M. Seed ripe late Sept. to Nov. If too late for fall planting treat as for A. Ginnala.   |                         | Blue flowers; 4 ft; HP. Oz. \$2.00.   |
| <b>ACHILLEA.</b>  | <b>MILFOIL, YARROW</b>  | — <b>napellus v. praecox.</b>   |
| (ak-ha-LEE ah) <i>Compositae</i> . Yarrow, Milfoil. Hardy herbaceous perennials, easily grown in any fair soil in full sun; flowers in clusters of small heads, white yellow or pink, making good cut-flowers. Seed planted indoors in March will flower same season. They make good border plants. C-23.     |                         | ACD-16P. 30¢  |
| — <b>filipendulina.</b>   | <b>ACH-10. 25¢</b>      | Blue fls; 2" ac; Himalayan Mts; HP; DF.   |
| This has showy round heads; yellow; robust grower; 5 ft; HP.  |                         |   |
| — <b>Cloth of Gold.</b>   | <b>ACH-10C. 25¢</b>     | <b>ACROCLINIUM:</b> see <i>Helipterum roseum</i> .  |
| A pretty golden flowered var. <b>Oz. \$2.50.</b>  |                         |   |
| — <b>alba.</b>  | <b>ACH-10W. 25¢</b>     | <b>ACROGEPHALLUS.</b>   |
| A white flowered variety.   |                         | — <b>sericus.</b>   |
| — <b>Parker's Variety.</b>  | <b>ACH-10P. 25¢</b>     | <b>ACRO-1. 30¢</b>  |
| A deep orange variety showy in border.  |                         | Shrubby compact growth; soft pale blue fls; 1-2 ft; S. Rhodesia.  |
| <b>ACTAEA.</b>  | <b>BANEERRY, COHOSH</b> |   |
| (ak-TEE-ah) <i>Ranunculaceae</i> . Baneberry Cohosh. The showy terminal flowers develop into pretty white berries; they are useful in the rock garden, border or wild garden, doing best in shady places....Sow seed in late fall or spring; slow germinating; herbaceous HP.                                 |                         |   |
| — <b>arguta.</b>  |                         | <b>ACTA-2. 25¢</b>  |
| Very hardy; red berries; 2 ft; HP; (III).   |                         | Very hardy; red berries; 2 ft; HP; (III).   |
| — <b>nachypods alba.</b>  |                         | <b>ACTA-6A. 25¢</b>   |
| White Baneberry. 18"; Canada-Ga; HP.  |                         | White Baneberry. 18"; Canada-Ga; HP.  |
| — <b>ubra.</b>  |                         | <b>ACTA-8. 25¢</b>  |
| Red Baneberry. 2 ft; branches crimson-red; Lab.-N. J; (III).  |                         | Red Baneberry. 2 ft; branches crimson-red; Lab.-N. J; (III).  |
| <b>ACTINAEA.</b>  | <b>YARROW</b>           |   |
| (ak-ti-NE-ah) <i>Compositae</i> . N.Am. plants related to <i>Helenium</i> ; fls yellow; ray and disk flowers.   |                         |   |
| — <b>fastigata.</b>   |                         | <b>ACTN-3. 40¢</b>  |
| Lovely small daisies in light gold, 1" ac; 4" tall; HP; (II).   |                         | Lovely small daisies in light gold, 1" ac; 4" tall; HP; (II).   |
| — <b>simpliciflora.</b>   |                         | <b>ACTN-9. 40¢</b>  |
| Brilliant golden daisies; silvery green rosettes; 10 in.; HP; (II).   |                         | Brilliant golden daisies; silvery green rosettes; 10 in.; HP; (II).   |
| <b>ACTINIDIA.</b>   |                         |   |
| (ak-tin-NID-ee-uh)  |                         |   |
| Dilleniaceae. Attractive shrubby vines with edible berries; sun or part shade; sow seeds in the spring.   |                         |   |
| — <b>arguta.</b>  |                         | <b>ACTD. 50¢</b>  |

Tara Vine. White fls,  $\frac{3}{4}$ " ac; sweet fr; Manchuria. Oz. 95¢; lb. \$8.00.

### ACTINOMERIS.

(ak-tin-O-Mer-is) Tall Sunflower-like native perennials for the hardy border or wild garden; resembles *Helianthus* and *Terhesia*; grow like Sunflowers.

—*alterifolia*.

**ACTI-1.** 30¢

### ADENANTHERA. BEAD TREE

(ad-en-ANTH-er-ah) BEAD TREE. Leguminosae. Trees allied to *Mimosa* and grown for ornament in S or under glass in the N; soak seed in hot water.

—*pavonina*.

**ADDN-1.** 50¢

Red Sandlewood Tree, Peacock Flower Fence. White and yellow fls in racemes, 6" long; seeds are ornamental and used in beads; (X).

### ADENOCARPUS.

(ad-ee-no-CAR-pus) Leguminosae. They are grown in the GH or in the open in the S; low shrubs from S. Eu. and Asia Minor.

—*decordicans*.

**ADEK-1.** 30¢

### ADENOPHORA. LADY BELLS

(ad-e-NOF-oo-rah) Campanulaceae. Lady Bells. Erect perennials with fleshy roots; flowers in shades of violet; they are useful in the border being grown like Campanulas; disturb as little as possible.

—*confusa*.

**ADEN-2.** 25¢

Erect; fls deep blue; 1" long; 3 ft.; HP.

—*Potanini*.

**ADEN-20.** 25¢

Bell-sh'd fls in panicles; violet; 3 ft; HP.

### ADLUMIA.

(ad-LOO-mee-ah) An attractive biennial vine thriving in a cool damp site protected from the sun and wind; plant seeds in the spring.

—*fungosa*.

**ADLM-1.** 20¢

(A. cirrhosa) Mountain Fringe; Allegheny Vine. Vern-like leaves; white or purplish fls; fr. oblong caps. **Oz. \$1.50**

### ADONIS.

(ah-DOH-nis) Ranunculaceae. Pheasants Eye. Hardy herbaceous annuals and perennials; some make good RG plants and grow well in both sun or shade; fls solitary terminal; crimson or scarlet with a dark colored base. Sow seed of all kinds in the spring or fall; easily grown; slow germination; keep dark.

—*aestivallis*.

**ADON-1.** 25¢

Summer Adonis. Scarlet fls; June-July; 1½ ft; HA; C-2. **Oz. 60¢**

—*annua*.

**ADON-3.** 25¢

(A. autumnalis) Deep red fls with darker center;  $\frac{3}{4}$ " ac; June-Sept; 2 ft; HA. **Oz. 60¢**

—*vernalis*.

**ADON-9.** 40¢

Spring A. Yellowish fls; 18"; HP; C-24; DF.

### AESCRULUS. HORSE CHESTNUT

(ESS-kew-lus) Hippocastanaceae. Trees and shrubs; and valued for their dense shade and ornamental flowers; there are some 25 species of which only a few are grown; as a rule the seed should be planted as soon after gathering as possible; seed properly stored can be planted in the spring; germination takes place in spring.

—*Hippocastanum*.

**AESC-15.** 25¢

The well known Chestnut Tree; seed ready in Oct; order early. **Lb. 85¢**

### AETHIONEMA. STONE CRESS

(eeth-ee-oh-NEE-nuh) Cruciferae. Annuals, biennials and perennials allied to *iberis* and hardy up to Michigan; they are

dwarf plants with flowers in terminal racemes and grown in the rockery or border; May-June; light sandy soil; full sun.

—*armenum*.

Shell pink fls; twiggy habit; silver lvs; 5"; HP.

—*corcarum*.

**AETH-4.** 50¢

—*theodorum*.

**AETH-23.** 50¢

Best of all *Aethionema* species; deep rosy red fls; 10 inches.

### AGAPANTHUS

(ag-ah-PANTH-us) Liliaceae. Lily-of-the-Nile. Beautiful So. African bulbous plant, easily grown. Not hardy in the North; the bulbs must be stored undors during winter. They make ideal tub plants lasting for yrs.

—*campanulata* Hybrids

**AGAP-2H.** 40¢

This may be crossed with *A. africanus* and thus will produce hybrids; Calif.

—*orientalis*.

**AGAP-8.** 50¢

Large heads of blue fls; 4 ft; S. Cal; (X).

—*alba*.

**AGAP-8W.** 40¢

A white flowered variety of the above.

—*longianthus*.

**AGAP-6.** 50¢

A new species; fls on 4 ft stems; free flowering; compact.

—*africanus*, Mixed.

**AGAP-IX.** 30¢

Mixed varieties and oolors; (X).

### AGERATUM

(ag-er-A-tum) Compositae. Herbaceous annuals having tassel-like clustered heads; blue, pink or white fls; they are easily grown, are tender in the N and must not be set outdoors till all frost danger is passed. They are useful as edging, in the front border, in porch baskets; where they are to be used for edging, a good strain should be purchased that plants be uniform; C-17.

**HOUSTONINUM:** This is incorrectly listed as *A. mexicanum*. The commonly grown Aseratums all come under this species.

—Blue Ball.

**AGER-3B.** 20¢

A deep blue ball-shaped plant; compact; 9 inches. **Oz. \$1.00**.

—Blue Bedder.

**AGER-3C.** 20¢

Lavender-blue; compact; 4"; pretty. **Oz. \$1.00**.

—Blue Cap.

**AGER-3D.** 20¢

Rich bl ue, domed-shape plant; RG; extra nice variety. **Oz. \$1.50**.

—Blue Star.

**AGER-3E.** 20¢

Deep blue; 6"; nice edger. **Oz. \$1.00**.

—Dwarf Imperial, White.

**AGER-3EW.** 20¢

Popular bedding sort; strong growth over 1 foot high.

—Blue.

**AGER-3RS.** 20¢

Strong grower in blue; 10". **Oz. 80¢**.

—Fair Pink.

**AGER-3Y.** 20¢

Softest salmon-pink; edging or pots; 6".

—King of the Blues.

**AGER-3F.** 25¢

Low compact plants; deep blue.

—Little Dorrit.

**AGER-3G.** 25¢

Pretty deep blue; fine for edging and notes; they bloom all summer.

—Market Growers Blue.

**AGER-3MG.** 25¢

Bright medium blue, an excellent cutter-flower strain; stout stems of about 20 inches. **Oz. 60¢; ¼ lb. \$1.60**.

—White.

**AGER-3GW.** 25¢

A pure white variety. **Oz. 80¢**.

—Midget Blue.

**AGER-3H.** 25¢

2-3 inch plant; compact; fine for edging where a dwarf plant is needed.

—Purple Perfection.

**AGER-3J.** 25¢

Deepist blue; 9"; fine for boxes or beds.

—Silver Star.

**AGER-3K.** 25¢

Pretty dwarf white; 6".

—Swallow Blue.

**AGER-3L.** 25¢

Azurine-blue; thickly bunched; 8".

—White Beauty.

**AGER-3P.** 25¢

Considered the best white; 7".

—White Queen.

**AGER-3M.** 25¢

Pure white; 8'; dandy.

—**Mixed Varieties.** **AGER-X.** 20¢ **AGER-7.** 25¢  
—**zuriblau.** A new Geran variety.  
neat twining vine; hardy. **Lb.** \$2.50.

### **AGONIS.** (ah-GON-is)

Myrtaceae. Willow Myrtle. Aust. sh and trs; fls in dense heads followed by fruits; ornamental; best cut back hard after flowering; does well in limestone areas.

—**flexuosa.** **AGON-2.** 50¢  
Willow Myrtle. Scented white fls in summer; 15 ft; HHSh; (IX).

—**juniperina.** **AGON-4.** 50¢  
A good cut flower; white; 5-20 ft; HHSh.

### **AGRIMONIA.** (ag-ri-MON-ee-ah).

Rosaceae. Agrimony. Erect plants of N temperate zone; fls small, yellow and in racemes; does well in part shade; HP.

—**Eupatoria.** **AGRI-1.** 25¢  
To 3 ft; HP.

—**odora.** **AGRI-2.** 25¢  
Yellow fls; 3 feet; Europe; HP.

—**parviflora.** **AGRI-4.** 30¢  
Long spike-like racemes, small yellow stars; summer; sun or part shade; 30"; HP.

### **AGROSTEMMA.** (ag-ro-STEM-ah)

Caryophyllaceae. Corn Cockle.

—**Githago v. Millas.** **AGRS-1M.** 25¢  
Gravish, erect plants; 3 ft; fls purplish red, spotted, 1" ac; NEW.

—**Other species:** see **Lychnis.**

### **AGROSTIS.**

(ah-GROS-tis) Gramineae. A group of tufted annual and perennial ornamental grasses, useful in bouquets and in beds.

—**ebu'za.** **AGRO-5.** 25¢  
Cloud Grass. Dwarf and very neat; start early indoors for early plants; 1 ft; HA. Ounce \$1.80.

### **AJUGA.** (aj-YEW-guh)

Labiatae. Bugle Weed. Herbaceous annuals and perennials suitable for rockery or border. Many blue, rose or white fls in terminal spikes in June.

—**australis.** **AJUG-1.** 50¢  
Blue fls; for RG; long flowering TP.

### **AKEBIA.** (ak-KEE-bee-ah)

Lardizabalaceae. Hardy twining shrubs; they are neat and attractive vines.

—**guinata.** **AKEB-2.** 35¢  
FIVE-LEAF. Purple-brown fls; Korea; neat twining vine; hardy.

—**tifoliata.** **AKEB-3.** 30¢  
(*A. lobata*) Three-Leaf. China; hardy in N. Oz. 60¢.

### **ALBIZIA.**

(al-BI'-ee-ah) Leguminosae. Germination much as for Acacia, which see; seed can be supplied the year round.

—**Julibrissin.** **ALBI-1.** 30¢  
SILK-TREE. Japan; 30 ft.

—**distachya.** **ALBI-3.** 30¢  
Dark green feathery fol; large greenish yellow silky fls on spikes up to 3" long.

—**stipulata.** **ALBI-11.** 30¢

### **ALBUCA.**

(al-BUC-ah) Bulbous plants with flat basal lvs with large white or yellow fls in racemes. S. Af. natives and hardy only in the South; in the N. bulbs must be stored indoors over the winter months.

—**Basutoland species.** **ALBU-SP.** 50¢  
A delightfully pretty plant from Basutoland with fls like upland Snowdrops; in

late spring; 5 inches.

### **ALETRIS.** (AL-et-riss)

Liliaceae. Star Grass. Perennial plants with basal cluster of grass-like lvs; fls small, yellow or white in erect spikes; moist sunny places.

—**farinosa.** **ALET-4.** 30¢  
Leaves pale yellowish green; 3 ft; fls white; bell-shaped; erect; (IV); HP.

### **ALLAMANDA.**

(al-ah-MAN-dah) Apocynaceae. Shrubs and climbers native of Brazil; easily grown in GH in the N; in the S they thrive in the open: showy purple or yellow fls.

—**cathartica.** **ALLA-1.** 25¢  
Tall climber; golden yellow fls, 3" ac; Brazil.

### **ALLIUM**

(AL-ee-um) Nearly all those listed are hardy perennials and are attractive in the border, and some in the rockery. Sow seed as for perennials, usually early spring; a rich sandy soil best; full sun. A few species come in dry bulbs in late summer and are listed in the Botanical Bulb List. These are noted as (Bulbs) in following.

—**acuminatum.** **ALUM-1.** 50¢  
Deep rose-purple fls; 1 ft; B.C.-Ida; HP.

—**albopilosum.** **ALUM-2.** 25¢  
Lilac fls in umbels; 8"; dandy; (Bulbs). Bulbs in Sept; see bulb list.

—**ammiphillum.** **ALUM-4.** 30¢  
Golden yellow fls; Europe; HP.

—**cernuum.** **ALUM-21.** 25¢  
Nodding buds; erect fls; lavender to white; May; 1 ft.

—**Farreri.** **ALUM-29.** 40¢  
To 1 ft; flowers reddish purple in loose umbels; China.

—**fistulosum.** **ALUM-33.** 25¢  
Welch or Spanish Onion. White fls; use mainly for eating; HP.

—**giganteum.** **ALUM-38.** 40¢  
Bright lilac; Central Asia; 4 ft; HP.

—**kausuense.** **ALUM-44.** 50¢  
Similiar to *A. cyaneum* with larger campanulate tubular flowers; Tibet.

—**karataviense.** **ALUM-45.** 40¢  
Most striking of all Alliums; limestone soil; very hardy; flowers whitish, rose tinged; on 4-6 inch stems.

—**montanum:** see *A. senescens*. **ALUM-58.** 25¢

—**neopolitanum.** Large 3-inch whwhite fls; 1 ft; S. EU; also offred in bulbs.

—**Ostrodskianum.** **ALUM-68.** 30¢  
Showy deep pink flowers; May-June; Turkestan. Bulbs in Sept. see Bulb List.

—**peninsulare.** **ALUM-72.** 25¢  
Rose-purple fls in loose umbels; 1 ft; HP.

—**Porrum.** **ALUM-73.** 25¢  
Leek. Hardy perennial Onion-like plant.

—**praecox.** **ALUM-74.** 25¢  
White fls with bright purple mid-vein; 1 ft; HP.

—**puellum.** **ALUM-75.** 40¢  
White fls with a green mid-rib; 1 ft; HP.

—**pyrenaicum.** **ALUM-78.** 25¢  
White fls with a green mid-rib; 3 ft; HP...

—**roseum.** **ALUM-81.** 25¢  
Rose fls in loose umbels; 18"; HP.

—**rubrum.** **ALUM-83.** 30¢  
Flowers replaced by reddish bulbels; 1 ft; Rocky Mts; HP.

—**Schoenopeasum v. sibiricum.** **ALUM-87S.** 25¢  
CHIVES. Rich purple fls; 1 ft; HP. It is very ornamental, too. Oz. 75¢.

—**senescens.** **ALUM-90.** 25¢  
(*A. montanum*) Lilac fls in many flowered umbels; 2 ft; Eu; HP.

—**Stellerianum.** **ALUM-95.** 30¢

|   |                      |
|---|----------------------|
| Pink fls in loose umbels; 1 ft; Eu; HP.             | <b>ALUM-96. 30¢</b>  |
| — <i>stipitatum</i> .                               | <b>ALUM-99. 30¢</b>  |
| — <i>tanguticum</i> .                               | <b>ALUM-102. 35¢</b> |
| Bluish lilac with darker mid-rib; dense umbels; HP. |                      |
| — <i>tibeticum</i> .                                | <b>ALUM-104. 25¢</b> |
| Deep blue fls; 6"; Tibet; HP.                       |                      |
| — <i>triquestrum</i> .                              | <b>ALUM-105. 25¢</b> |
| Large white fls in loose umbels; 18"; HP.           |                      |
| — <i>tuberosum</i> .                                | <b>ALUM-106. 25¢</b> |
| Leaves not hollow; July-Sept.; 18"; HP.             |                      |
| — <i>unifolium</i> .                                | <b>ALUM-X. 25¢</b>   |
| Pink Allium. Calif; 15"; bright rose; HHP.          |                      |
| — <i>Allium Blend</i> .                             |                      |
| All mixed.  |                      |

**ALLOPLECTUS.**

Gesneriaceae. Tropical shrubs; indoor or greenhouse in the North.

|  |                    |
|--|--------------------|
| — <i>capitatus</i> .   | <b>ALLL-3. 50¢</b> |
| Fibrous rooted evergreen plant for warm CH or sunny window; requires same treatment as African Violet or Gloxinias; deep green edged with red; calyx tomato-red, corolla pale yellow; easy grower. |                    |

**A LO E.**

(AL-oh) Liliaceae. Perennial succulent plants native of the Cape; they make nice ornamental pot plants in the N; grow in sandy soil with a little peat and rotted manure and small chunks of old mortar or lime; keep on dry side.

|                             |                     |
|-----------------------------|---------------------|
| — <i>chebandii</i> .        | <b>ALOE-16. 35¢</b> |
| Coral red fls; S. Rhodesia. |                     |
| — <i>excelsia</i> .         | <b>ALOE-24. 30¢</b> |
| From S. Rhodesia.           |                     |

**A L O N S O A.** MASK FLOWER

(al-on-SOH-ah) Scrophulariaceae. Easily grown in a warm location. Sow seeds indoors in early spring and set after frost danger; for growing indoors in winter, sow in summer and set plants indoors early in the fall, before frost. C-7

|   |                    |
|---|--------------------|
| — <i>Warscewiczzii</i> .  | <b>ALON-7. 25¢</b> |
| Cinnabar or scarlet-red; 3 ft; Peru; grow as an annual in the North; space 10". |                    |
| — <i>Alonsoa Blend</i> .  | <b>ALON-X. 25¢</b> |

**A L S T R O E M E R I A.**

(al-stre-MEE-ri-ah) So. American plants grown from tuberous roots that are treated as bulbs. Rich soil and a sunny position needed. Seed can be planted in pots in Aug. or later, which will bloom the following summer.

|  |                     |
|--|---------------------|
| — <i>aurantiace</i> .  | <b>ALST-1. 25¢</b>  |
| Orange, spotted red; very early; 3 ft; (VI). HP.               |                     |
| — <i>augustifolia</i> .  | <b>ALST-1A. 25¢</b> |
| Pink, orange or flame; 3 ft; HP.                               |                     |
| — <i>Ligtu</i> .   | <b>ALST-5. 25¢</b>  |
| Pink, red and yellow fls; 2 ft; HP.                            |                     |
| — <i>Hybrids</i> .   | <b>ALST-5H. 25¢</b> |
| Hybrids of the above species.                                  |                     |
| — <i>pulchra</i> .   | <b>ALST-5P. 25¢</b> |
| This has longer and narrower leaves.                           |                     |
| — <i>Pelegrina</i> .   | <b>ALST-6. 25¢</b>  |
| Lily-of-the-Incas. Pink, spotted purple; very showy; 1 ft; HP. |                     |
| — <i>alba</i> .  | <b>ALST-6W. 25¢</b> |
| A pure white form; very showy; 1 ft.                           |                     |
| — <i>Astroemeria Blend</i> .                                   | <b>ALST-X. 25¢</b>  |

**A L T H A E A.** HOLLYHOCK

(al-THEE-ah) Flowers in terminal erect racemes or spikes; easily grown in any good garden soil. Mostly perennial; the biennials, of which the common Hollyhock is the main subject, can be started in July for flowers the following summer; C-8.

|  |                    |
|--|--------------------|
| — <i>ficifolia</i> .                       | <b>ALTH-3. 25¢</b> |
| Fig-leaf Hollyhock. Deep yellow fls; 6 ft; |                    |

HP.  
—*rosea*: see under Hollyhock

**ALYSSUM**

(ah-LISS-um) Annuals and perennials, trailing to 1 ft. in height and all showy; the perennials bloom very early in the spring; the annuals during early summer.

**MARITIMUM:** Under this species are the common annual Alyssum varieties. Botanically they are *Lobularia maritima*. They are all hardy annuals doing best when started early; they are used in edging or bedding, in pots and baskets as well as the rockery; all low growing and free flowering.

|   |                      |
|---|----------------------|
| — <i>Carpet of Snow</i> .   | <b>ALYS-15C. 20¢</b> |
| Compact strain; pure white; 3"; HA.   |                      |
| — <i>Snow Cloth</i> .   | <b>ALYS-15S. 2¢0</b> |
| Very dwarf; compact; snow-white; 3". HA. Oz. 60¢; lb. \$6.00.                     |                      |
| — <i>Little Gem</i> .   | <b>ALYS-15G. 20¢</b> |
| Compact 6" plants; pure white. Oz. 75¢; lb. \$7.00.                               |                      |
| — <i>Lilac Queen</i> .  | <b>ALYS-15Q. 20¢</b> |
| Deep violet; 6"; very pretty. Oz. 75¢; lb. \$7.00.                                |                      |
| — <i>Violet Queen</i> .   | <b>ALYS-15V. 20¢</b> |
| Uniformly deep violet, compact, fragrant; 6"; HA. Oz. 90¢.                        |                      |
| — <i>Sweet Maritimum</i> .  | <b>ALYS-15M. 20¢</b> |
| Very fragrant; 1 ft; white; useful in boxes and baskets; HA. Oz. 60¢; lb. \$4.00. |                      |
| — <i>Mixed Annual Alyssum</i> .   | <b>ALYS-15X. 20¢</b> |
| — <i>tetra Snowdrift</i>  | <b>ALYS-15R. 25¢</b> |
| NEW giant flowered white. Oz. 70¢.  |                      |
| — <i>Royal Carpet</i> .   | <b>ALYS-15R. 25¢</b> |
| Procumbens; Violet Queen color on a Snow Cloth plant habit. Oz \$1.50.            |                      |

**ALYSSUM SPECIES:**

|  |                      |
|--|----------------------|
| — <i>arduini</i> .   | <b>ALYS-8. 25¢</b>   |
| — <i>idaeum</i> .  | <b>ALYS-12. 25¢</b>  |
| Silvery green foliage; fls whitish; Crete; HHP.  |                      |
| — <i>lutescens</i> .   | <b>ALYS-16. 25¢</b>  |
| Yellow form of <i>Lobularia maritima</i> . Bright yellow, dense panicles; 1 ft; Albania; HP.                               |                      |
| — <i>Markgriffii</i> .   | <b>ALYS-17. 30¢</b>  |
| Bright yellow; dense panicles 1 ft; HP.  |                      |
| — <i>Moleendorfianum</i> .   | <b>ALYS-19. 30¢</b>  |
| Yellow fls; silvery fol; Bessnia; 5"; HP.  |                      |
| — <i>montana</i> .   | <b>ALYS-20. 25¢</b>  |
| Showy trailer; deep yellow fls; 3"; RG.  |                      |
| — <i>mural</i> .   | <b>ALYS-21. 25¢</b>  |
| ( <i>A. argenteum</i> ) Yellow tufts. Dwarf, 15": silvery fol; deep yellow fls in clustered heads; all summer. Oz. \$1.50. |                      |
| — <i>orientale</i> .   | <b>ALYS-22. 30¢</b>  |
| Collected in Albania. White or pinkish; woody; 1 ft; S. Eu; HP.  |                      |
| — <i>pedomontanum</i> .  | <b>ALYS-24. 30¢</b>  |
| Erect stems; large orange fls.   |                      |
| — <i>ovirens</i> .   | <b>ALYS-51. 35¢</b>  |
| Golden yellow fls in umbellata racemes; 6"; HP; Cent. Eu.  |                      |
| — <i>virens</i> .  | <b>ALYS-22. 30¢</b>  |
| Golden yellow fls; 6-8"; HP.   |                      |
| — <i>repens v. Wierzbickii</i> .   | <b>ALYS-27W. 40¢</b> |
| Erect stems; large orange fls.   |                      |
| — <i>saxatilis v. Gold Dust</i> .  | <b>ALYS-26G. 2¢0</b> |
| Golden yellow; 4"; April; HP. Oz. 90¢.   |                      |
| — <i>compactum</i> .   | <b>ALYS-26C. 25¢</b> |
| A compact strain: masses of yellow fls; April-May; 1 ft; HP. Oz. \$1.00.   |                      |
| — <i>Silver Queen</i> .  | <b>ALYS-26S. 25¢</b> |
| Primrose fls; fine for RG; 1 ft; HP.   |                      |
| — <i>sulphureum</i> .  | <b>ALYS-26U. 25¢</b> |
| A pretty sulphur-yellow; 1 ft; HP.   |                      |
| — <i>spinosum</i> .  | <b>ALYS-31. 25¢</b>  |
| Silvery fol; white fls; 1 ft; HP.  |                      |
| — <i>wierzbickii</i> : see <i>A. repens</i> .  |                      |
| — <i>Rock Garden Sps Mixed</i> .   | <b>ALYS-34X. 25¢</b> |
| Contains perennial species suitable for the rockery.   |                      |

## A MARANTHUS.

(am-ah-RAN-thus) Annuals native of mild climates and grown for their colored foliage and the large red flowers; they are easily grown and will produce better flowers if grown on poor soil; for that dry bank these should be fine; full sun; tender; C-7.

### —caudatus.

Love-lies-bleeding. Long drooping red fls; 4 ft; HA. Oz. 40¢.

### —oeschberg.

Erect, dark red fls; HA. Oz. 40¢.

### —viridis.

Same but with white fls. Oz. 40¢.

### —nanus.

A dwarf form.

### —hybrid hypochondriacus.

Prince's Feather. Showy; red feather-like fls; 3 ft; HA.

### —Tricolor.

Joseph's Coat. Erect; leaves blotched and colored; 3 ft; HA. Oz. 60¢.

### —salicifolius.

Fountain Plant. Slender leaves; 3 ft; HA.

### —Molten Fire.

Maroon foliage, each branch tipped crimson; 4 ft; TA.

### —Pigmy Torch.

Dark crimson fls; dwarf plant; 1 ft; TA.

### —Sunrise.

Bronze, crimson and scarlet; 3 ft; TA.

### —fruticosa.

20 ft; fls dark purple in 6" spikes. C.S. lb. \$1.50.

### —Amaranthus Blend.

All kinds mixed. Oz. 45¢.

## A MARYLLIS.

(am-ah-RIL-is) One species, A. belladonna, of which there are several varieties and forms. Just lately the botanical name has been changed to Brunsvigia rosea. The usual time for fresh seed is April to June and it should be sown as fresh as possible; do not cover the seed; the casserole method usually is best; C-34.

### —Hybrids.

These hybrids range in colors from deepest garnet to almost white; extra choice seed; (15 seeds to pkt).

### —Mixed Hybrids.

Mammoth flowers in various colors and blends.

## A M B E R B O A.

(am-bur-BOH-ah) Compositae. Annuals with jaggedly cut or divided leaves and flower heads in purple, blue or pink, resembling Bachelor Buttons; easily grown from seed and should be planted where the plants are to grow; half hardy annuals native of Spain and Morocco.

### —muricata.

Stars of pale purple with creamy centers; easy; HHA.

## AMELANCHIER.

Service-Berry; June-B. Rosaceae. Showy shrubs or sm. trs; hardy in N; fls very early in the spring.

### —alnifolia.

AMEL-2. 25¢ 7 ft; (III). c.s. Oz. \$1.50; lb. \$14.00.

## AMELLUS.

Compositae. S. Af. plants with blue-ray flowers.

### —Lychnitis.

AMES-6. 35¢ Lavender colored Daisy; 18"; TP.

## AMMOBIUM.

(am-MOH-bi-um) Compositae. Australian everlastings, tender perennials with solitary heads of yellow fls surrounded by silvery white bracts; easy; grow as an an-

nual; fls remain white if cut early; sow in Apr when they will flower same season.

### —atum.

Winged Everlasting. To 3 feet; white woolly; 3 ft; heads 2" across; HHA. space 9 inches

## AMORPHA.

(am-MORF-uh) Leguminosae. False Indigo. Grown for ornament; most are hardy in the North.

### —fruticosa.

Bastard Indigo. 20 ft; May-June; fls dark purple; very hardy; (III); Oz. 50¢; lb. \$2.00.

## A M P E L O P S I S.

IVY

(am-pe-LOP-siss) Tendril climbing deciduous shrubs belonging to the grape family. Grows well in any fair soil; some not hardy in the North.

### —quinquefolia.

Virginia Creeper, American Ivy. (Parthenocissus).

### —Veitchii.

Boston Ivy.

## A M S O N I A.

(am-SOH-ne-ah) Apocynaceae. Perennials 1-3 ft. tall, having bluish fls followed by rather attractive milk-weed pods; for the border; easily grown.

### —Tabernaemontana.

AMSO-2. 25¢ Star flowers soft blue; May-June; HHP.

## A N A C Y C L U S.

(an-ass-SYE-klus) Compositae. A race of daisies from Med. regions related to the Pyrethrum; a few species are very desirable dwarf perennials with finely cut foliage and large white or yellow daisy-like fls with backs of the rays striped with brilliant red; Sunny, stoney positions.

### —atlanticus.

A far better plant than A. depressus, with rosettes of filigris foliage from which radiate the prostrate stems carrying fls 2" across of scarlet and white; very easy in a sunny well drained site; germinates rapidly at 45-50 deg. F; pot off in gritty soil; try freezing seed a couple weeks, sow in Fed.

### —maroccanus.

Flowers later than A. atlanticus and keeps a succession of red and white fls for 6-8 weeks; 2 inches.

### —Anacyclus Blend.

ANAC-X. 20¢

## A N A G A L L I S.

PIMPERNEL

(an-ah-GAL-is) Primulaceae. Low growing annuals, biennials and perennials having pretty little star-like flowers in red, blue and white, that grow out of the axils of the leaves on hair-like stems. Very free flowering; some especially nice for the rockery; best in a loose warm soil; C-7.

### —linifolia.

Mixed colors; large flowered form.

### —Scarlet.

ANAG-2S. 25¢

## A N A P H A L I S.

(an-NAF-al-iss) Compositae. White woolly perennials for the RG or border; small white fls can be used as everlasting.

### —margaritacea.

ANAP-1. 20¢

## A N C H U S A.

BUGLOSS

(an-KE-U-suh) Boraginaceae. Excellent perennials for summer border in a sunny place; hardy, easily grown, flowering in July-August or even later. Comes mainly in blue shades; best in a good soil with plenty of old manure. Be careful not to damage the tap root when transplanting.

—azurea, Dropmore Variety. ANCH-2D. 20¢

Lovely bright blue; 4 ft; HP; Oz. 50¢ lb.  
\$5.00.

—Opal. ANCH-2P. 25¢

Same but a lighter blue; HP.

—capensis, Blue Bird. ANCH-4B. 25¢

Vivid indigo-blue, compact; 18"; HA. Oz.

50¢.

—Anchusa Blend. ANCH-X. 20¢

Both annual and perennial kinds mixed.

## ANDIRA

—inermis. ANDI-1. 40¢

Angelin Tree. Leguminosae. Trees of tropical Amer; rich soil; for far South; (XI).

## ANDROSACA. ROCK JASMINE

(an-DROS-ah-see) Primulaceae.. True alpine annuals and perennials for the rockery or low border; many require special handling in the alpine or rock garden. Leaves usually tufted or in rosettes and often woolly; flowers are small, in red, pink or lavender, usually borne in rather flattened rounded clusters. They require a dry, gritty, well drained soil but not too suffer from drought; seed may remain in the soil for over a year. Try freezing for 2 weeks, then place at 50 deg. Far.

—carnea v. brigantiaca. ANDR-3B. 40¢

Has narrow lvs and nice white fls; HP.

—hedraeantha. ANDR-8. 75¢

Very early, neat green domes; pink flowers; 2 inches high. ((12 seeds per pkt.)

—hirtella. ANDR-9. 50¢

Hairy tufts with white flowers; 1"; HP.

—matildae. ANDR-13. 50¢

Rosettes of deep green leaves; white flowers in spring; 1 inch. (12 seeds per pkt)

—pyrenaica. ANDR-17. 50¢

Choice alpine house species; minute domes studded with white flowers; 1"; HP.

—sarmientosa v. yunnanensis.

ANDR-18Y. 40¢

Rose-colored, 5" high; lvs smaller than the type and crowded.

—septentrionalis subumbellata.

ANDR-20S. 30¢

Sprays of small white fls; 5"; HB.

—yunnanensis. ANDR-23. 50¢

## ANELLMA.

(an-NELL-mah) Compositae.

—species. ANEL-1. 30¢

A South Rhodesian species.

## ANEMONE

(ah-NEM-oh-nee) Ranunculaceae. They are attractive perennials blooming in the spring, summer and autumn; fls come in white, rose, red and purple; they thrive in a rich sandy loam, many doing well in shade; they make beautiful plants in the border and some in the rockery. The florist species are A. coronaria, fulgens and hortensis; these come in single and double flowers and are grown mainly as fall and winter flowers, much as one would grow Freesias; these are not real hardy; roots are also offered in the bulb list, for late summer delivery.

**A. CORONARIA:** Poppy-flowered Anemone. This is the popular florist Anemone.

—Creagh Castle Strain. ANEM-10CC. 25¢

A popular English strain.

—de Cain, Mixed. ANEM-10DC. 25¢

—Monarch Strain. ANEM-10M. 25¢

A new strain in the best of colors.

—Single Giants. ANEM-10N. 25¢

Large flowered strain in many colors.

—Hollandia. ANEM-10H. 25¢

Very pretty red with dark centers. 1/4 Oz. 50¢.

—St. Brigid. ANEM-10S. 25¢

True Irish strain; double brilliant flowers; (VII). 1/4 Oz. 60¢.

—Mr. Fokker. ANEM-10SF. 25¢

A beautiful single; bright blue. 1/4 Oz. 50¢.

—His Excellency. ANEM-10SE. 25¢

Pretty scarlet variety. 1/4 Oz. 50¢.

—The Governor. ANEM-10SG. 25¢

Double bright scarlet flowers. 1/4 Oz. 50¢.

—Mixed. ANEM-10X. 25¢

Blend of the above varieties for greenhouse growing. 1/4 Oz. 50¢.

## OTHER ANEMONE SPECIES:

—alpina. ANEM-3. 30¢

Cream inside, purplish out; 3" ac; 18"; HP.

—sulphurea. ANEM-3S. 30¢

A yellow flowered form.

—barbulata. ANEM-7. 30¢

—biflora. ANEM-8. 30¢

—cylindrica. ANEM-11. 30¢

Candle Anemone. Greenish white clusters; 3 ft; HP.

—demissa. ANEM-16. 30¢

White with purple outside; in clusters; August-Sept; 1 ft; HP.

—Drummondii. ANEM-17. 30¢

Cream fls, blue outside; moist soils; 6"; RG; HP.

—globosa. ANEM-19. 30¢

Red to bronze-green fls; July-Sept; 10"; HP.

—Halleri. ANEM-20. 25¢

Lilac fls, 2 1/2" ac; June; sun; 6 inches.

—Halleri. ANEM-21. 30¢

For a sunny spot; lilac fls; June; RG; 6".

—japonica alba. ANEM-21A. 25¢

—hybrids. ANEM-21H. 25¢

—Hybrida japonica. ANEM-28H. 25¢

Autumn flowering; white tinged rooe; 3 ft; HHP.

—Lesseri. ANEM-28. 30¢

Dwarf form; fern-like lvs; deep pink fls; Aug-Sept; sun; HP.

—magellanica. ANEM-32. 30¢

White or yellow fls; not a true species.

—Giant For. ANEM-32G. 25¢

—montana. ANEM-34. 30¢

Dark violet, drooping fls; 6"; H P.

—multifida. ANEM-35. 30¢

—myosotidiflora: see Brunnera macrophylla.

—nicricens. ANEM-38. 30¢

Purplish black fls; 1 ft; HP.

—occidentalis. ANEM-39. 30¢

White or purplish fls, 2" ac; May; 18"; HP.

—patens. ANEM-44. 30¢

—nuttalliana. ANEM-44N. 30¢

Purple fls; very early in spring; 8"; HP.

—pratensis. ANEM-45. 30¢

Dark purple fls; 1 ft; HP.

—Pulsatilla. ANEM-46. 25¢

Violet fls; April; lime; fine spring fls; 1 ft; HP. A popular species.

—ameena. ANEM-46E. 25¢

—alba. ANEM-46A. 25¢

A creamy white form of Pasque Flower.

—australis. ANEM-46T. 25¢

—montana. ANEM-46M. 25¢

—patens. ANEM-46P. 25¢

—Gaveri. ANEM-46G. 25¢

—Mallenderi. ANEM-46L. 25¢

—Violet-Blue. ANEM-46V. 25¢

—montana. ANEM-34. 30¢

Dark violet with drooping flowers.

—rivularis. ANEM-51. 30¢

White tinged blue; 1 1/2" ac; 3 ft; India.

—slavica. ANEM-54. 30¢

Collected in Austria.

—sylvestris. ANEM-55. 30¢

Pure white; fragrant, nodding fls; May-

June; 18"; HP.

—virginiana. ANEM-60. 30¢

White or greenish; fine for meadows;

June-Aug; 3 ft; HP.

—vitifolia. ANEM-61. 30¢

Grape-leaf A. White fls 2" ac. in cymes; July; HP.

—**Anemone Blend.** **ANEM-X. 25¢**  
Mixture of all kinds.

### ANGELICA. (an-GEL-ee-ah)

Umbelliferae. Perennials with white or greenish fls; for borders for bold effect.

—**Archangelica.** **ANGE-1. 25¢**  
Sow seed as fresh as possible; young stems in May -June for candying. The aromatic, pleasant flavor of both stems and fruits makes it of considerable value in the confectionery trade; 8 ft; HP.

### ANGOPHORA. (an-GO-for-ah)

Myrtaceae. Apple or Gum Myrtle. Trs and shrubs; similar to Eucalyptus; fls white in terminal corymbs followed by fruits; E. Australia.

—**cordifolia.** **ANGO-3. 50¢**  
Dwarf Apple. Large white fls.

—**costata.** **ANGO-4. 50¢**  
(A. lanceolata) White fls; unique twisted upper branches; reddish bark; (IX).

—**lanceolata.** **ANGO-10. 40¢**  
Sidney Red Gum. To 50 ft; smooth pinkish bark and curiously twisted limbs; (IX).

### ANIGOZANTHOS. (an-ig-loh-ZANTH-os)

Amaryllidaceae. Odd Australian perennials; grown in GH in N; hardy in S.

—**humilis.** **ANIG-3. 30¢**  
Red Kangaroo Paws.

—**Manglesii.** **ANIG-4. 50¢**  
Kangaroo Paws. Light soil; sun; summer moisture; red and green 'paws'; good to cut; (VIII).

Best of all species; moist situations; red, green and yellow fls; 3 ft.

### ANNONA.

(an-NON-nah) Annonaceae. Tropical trs. and shrubs grown for their delicious edible fruits; fls are an odd color, solitary or in clusters; fruits large and fleshy; TTr.

—**squamosa.** **ANNO-9. 30¢**  
SUGAR APPLE, SWEETSOP; decid. tr. to 30 feet.

### ANODA.

(an-NOH-duh) Malvaceae. Mostly annuals, either grown outside for fall flowers or under glass.

—**hasia.** **ANOD-2. 25¢**  
Handsome HA lovely pink fls; 10 ft.

—**lavateroides v. Opelcup.** **ANOD-4 P. 20¢**  
Continuous bloomer; June-Nov.; blue and pink fls; 3 ft; HA.

—**Snowdrop.** **ANOD-4 S. 20¢**  
Shining snow-white; 20"; profuse bloomer; HA.

### ANTENNARIA. PUSSY TOES

(an-te-NAY-ri-ah) Compositae. Everlasting. Perennials used in the wild or rock garden, also much used as dried flowers in winter bouquets. Best in dry soil, and easily grown. Flowers in heads and the leaves are white-woolly clustered at the base.

—**aprica** **ANTA-2. 25¢**  
Dense low mats; white or pink heads; 5"; HP.

—**microphylla.** **ANTA-13. 30¢**  
Silver blue fls; grayish white; 12"; HP.

—**rosea.** **ANTA-17. 30¢**  
Foliage distinctly white and woolly; fls rose; 18"; HP.

**ANTHEMIS.** CHAMOMILE  
(AN-the-mis) Compositae. Golden Marguerite. Very free flowering perennials

with daisy-like flowers, blooms June-Sept. It does well on dry sandy soils and in full sun. Sow seeds in late April or early May, outdoors, or they can be started earlier indoors. Thin plants in the garden to 10" apart; they are profuse bloomers.

—**arabica.** **ANTH-3. 20¢**  
Pretty golden yellow daisies. Oz. 60¢.

—**cinerea.** **ANTH-4. 25¢**  
Spreading; white ray-flowers; Balkans.

—**Cota.** **ANTH-5. 25¢**

—**Kelwayi.** **ANTH-8. 20¢**  
Pure golden yellow; July to frost; 2½ ft; HP. Oz. 40¢

—**montana.** **ANTH-9. 25¢**  
Charming species; pure white fls; 1 ft.

—**nobilis v. Perry.** **ANTH-10LY. 20¢**  
Pretty lemon-yellow selection; 1 ft; HP.

—**nobilis v. simplex.** **ANTH-10S. 25¢**  
Larger flowers than the type.

—**Sancti-Johannis.** **ANTH-13. 20¢**  
Deep orange fls, 2" heads; 3 ft; Oz. \$1.00.

—**tinctoria.** **ANTH-14. 20¢**  
Golden yellow ray-fls; fine cut; 2½ ft.

—**Perry's Variety.** **ANTH-14P. 20¢**  
Bright lemon-yellow; fine; 2 ft; HP.

—**Anthemis Mixed.** **ANTH-X. 20¢**

### ANTHERICUM. (an-THER-i-kum)

(an-THER-i-kum) Liliaceae. Tuberous-rooted herbs of the Lily Family having racemes of small white lily-like flowers and long narrow grass-like leaves. In the North they require winter protection; they make fine greenhouse plants or for use in lawn vases during the summer; requires plentiful supply of water when in bloom.

—**Liliago.** **ANTE-3. 30¢**  
Neat species; small white fls; 18"; HP.

—**undulatum.** **ANTE-5. 30¢**  
White fls in racemes; easy; native S. Af. 1 ft; HHP.

**ANTHOLYZA aethiopica:** see **Chasmantha.**

### ANTIGONON.

(an-TIG-oh-non) Polygonaceae. A tendril climber grown as a GH vine in the N but a popular hardy climber in the S where it has a long booming season; in the GH it requires plenty of light; not too much root room; keep roots dry during rest in the winter.

—**leptopus.** **ANTI-1. 25¢**  
Climber to 40 feet; rose-pink flowers; Mexico; tender; (IX).

### ANTIRRHINUM

Snapdragon. Scrophulariaceae. Very popular cut-flowers, both in the garden and in the greenhouse. Start indoors as early as Feb. for an early start or as late as April; the seed may be slow in germinating. For winter fls start in August and get seedlings into pots as soon as possible; pinch off terminal bud at the start to get several stems growing.

**TETRA SNAPS:** Spikes 1 ft. long; strong husky growth; ideal for greenhouse growing; popular with commercial growers.

—**Sunset Hybrids.** **ANTR-9S. 35¢**  
Vary from light primrose-yellow flushed pink to rosy orange. ¼ Oz. \$1.25.

—**Pink Shades.** **ANTR-9P. 35¢**  
Light pink to mid-rose. ¼ Oz. \$1.25.

—**White.** **ANTR-9W. 35¢**  
Light creamy white changing to pure white with age. ¾ Oz. \$1.25.

—**Crimson.** **ANTR-9C. 35¢**  
Velvety crimson. ¼ Oz. \$1.25.

—**Rose Shades.** **ANTR-9Z. 35¢**  
Fine deeper shades of rose. ¼ Oz. \$1.25.

—**Sky Scraper.** **ANTR-9K. 35¢**

Tallest growing of all Snapdragons, in a glorious blend of pastel shades.  $\frac{1}{4}$  Oz. 75¢.  
**Burpee Blend Tetras.** **ANTR-9X.** 30¢  
 A superfine extra giant flowered blend; blooms extremely large and a little frilled, containing a wide range of fine colors.  $\frac{1}{4}$  Oz. 75¢.

**DOUBLE ANTIRRHINUMS:**  
**Lemonade.** **ANTR-99D.** 35¢  
 Clear primrose-yellow double flowers.  $\frac{1}{8}$  Oz. \$3.00.

#### ALL RUST RESISTENT STRAINS

**MAJUS GRANDIFLORUM:** Tall, large flowered, making excellent garden cut-flowers; strong growers.

**Firefly.** **ANTR-1F.** 25¢  
 Crimson and yellow; very popular color.  
**Primrose Queen.** **ANTR-1Q.** 25¢  
 Very large fls in a soft primrose color.  
**Prince of Orange.** **ANTR-1P.** 25¢  
 A popular orange color; excellent cut.  
**Queen Victoria.** **ANTR-1V.** 25¢  
 The best pure white; necessary in all lots.  
**The Sentinel.** **ANTR-1S.** 25¢  
 Bright orange-scarlet with a white throat.  
**Vulcan.** **ANTR-1L.** 25¢  
 A very bright crimson-scarlet with dark foliage; pretty.  
**Yellow King.** **ANTR-1K.** 25¢  
 Best pure rich yellow.  
**Blend of Above Varieties.** **ANTR-1X.** 25¢  
 Trade packet: 50¢; Oz. \$2.00.

**MAXIMUM:** Tall giant flowered spikes; extra good for cut-flowers.

**Appleblossom.** **ANTR-2A.** 25¢  
 Soft rose suffused with yellow.  
**Campfire.** **ANTR-2C.** 25¢  
 Bright scarlet.  
**Cattleya.** **ANTR-2T.** 25¢  
 Soft silvery rose-lilac with a golden yellow tip.  
**Copper King.** **ANTR-2K.** 25¢  
 Coppery scarlet turning into a pure copper color.  
**Gotelind.** **ANTR-2G.** 25¢  
 Bright orange.  
**Indian Summer.** **ANTR-2S.** 25¢  
**Yellow Giant.** **ANTR-2Y.** 25¢  
 Giant rich yellow flowers.  
**FAIRY SPELL.** **ANTR-2FS.** 30¢  
 NEW art shades, marbled and blotched with dark lip.  
**Blend of Above Varieties.** **ANTR-2X.** 25¢

**FORCING VARIETIES:** Best for greenhouse growing and winter flowering.  
**Afterglow.** **ANTR-7A.** 30¢  
 A rich golden bronze.  
**Cheviot Maid Supreme.** **ANTR-7C.** 30¢  
 An early flowering bright pink.  
**Glorious.** **ANTR-7G.** 30¢  
 Bright reddish bronze; 3 ft.  
**Lucky Strike.** **ANTR-7W.** 30¢  
 The best pure white.  
**Rose Queen.** **ANTR-7R.** 30¢  
 The best dark pink variety.  
**Sunlight.** **ANTR-7S.** 30¢  
 A beautiful orange-bronze color.  
**Suntan.** **ANTR-7T.** 30¢  
 An old reliable orange-bronze.  
**Yellow Wonder.** **ANTR-7Y.** 30¢  
 Improved strain; extra early pure yellow.  
**Greenhouse Blend.** **ANTR-7X.** 30¢  
 A carefully hand-made blend. Trade packet: 50¢;  $\frac{1}{4}$  oz. \$1.50.

#### ANTIRRHINUM SPECIES:

**Asarina.** **ANTR-10.** 30¢  
 A procumbent HP; fls white or pinkish.

#### A PHANOSTEPHUS.

Compositae. Annual and biennial; solitary flower heads with white, violet or purple flowers or golden disks; easy; fine

cut fl; blooms profusely.

**—skirrobasis.** **APHA-1.** 25¢  
 LAZY DAISY; Pink and white with golden centers; 18"; HA.

**APtenia.** (ap-TEEN-ee-ah)  
 Aizonaceae. Monotypic South African genus. (*Mesembryanthemum*). Grown in conservatories or window gardens.  
**cordifolia.** **APTE-1.** 30¢  
 Purple fls,  $\frac{1}{2}$ " ac; 2 ft; TP.

#### AQUILEGIA

(ak-wi-LEE-ge-ah) Ranunculaceae. One of the most valuable of hardy perennials. Its foliage is attractive and the pretty spurred flowers cannot be equaled for color. They bloom early in the summer; sow seeds any time so long as they can be



#### AQUILEGIA longissima

shaded from the hot sun and are established early in the fall; seed is sometimes slow to germinate and early planting is best; they do best in a part shaded place best. Sow in Oct. for best results or freeze for 2 weeks and then bring inside or they can be planted in Jan. or Feb. outside.

#### LONG SPURRED VARIETIES:

These are all hybrid types, with long spurs and in almost every color; some of the strains come in exquisite blends.

**Blue Shades.** **AQUI-1B.** 25¢  
 Best strain in blue shades; 3 ft. Oz. \$2.00.  
**Dobbie's Hybrids.** **AQUI-1D.** 25¢  
 A nice English strain; 2½ ft. Oz. \$2.00.  
**Helena.** **AQUI-1H.** 25¢  
 A mammoth flowered blue; 3 ft. Oz. \$2.00.  
**Crimson Star.** **AQUI-1C.** 25¢  
 Brilliant crimson, petals white; Oz. \$3.00.  
**Lowdham Strain.** **AQUI-1L.** 25¢  
 Unsurpassed European strain in fine colors; 3 ft. Oz. \$2.50.  
**Mrs. M. Nicols Strain.** **AQUI-1N.** 25¢  
 A choice strain dominated by blue; 2½ ft. O. \$2.00.  
**Mrs. Scott Elliot Strain.** **AQUI-1S.** 25¢  
 This has a beautiful blend of delicate colors; 3 ft Oz ..00\$2.  
**Munstead White.** **AQUI-1T.** 40¢  
 A beautiful white variety. Oz. \$2.00.  
**Saier's Long Spurred Blend.**

#### AQUILEGIA SPECIES:

**—alpina.** **AQUI-2.** 30¢  
 Very rare rockery species; short spurs; deep blue; 1½ ft; HP.  
**—magnifica.** **AQUI-2M.** 35¢  
 Superb form with soft powder-blue fls; showy; 12"; HP.  
**—Bertolonii.** **AQUI-7.** 35¢

Alpine species; fls 1" as; blue-violet; very short spurs; 1 ft; HP.  
**brevistyla.** **AQUI-8.** 30¢  
 Dainty small flowered Columbine; purple and cream; 10"; HP.  
**caerulea.** **AQUI-10.** 30¢  
 Colorado Columbine. Blue-purple fls; 3 ft; May-June; HP.  
**canadensis.** **AQUI-11.** 25¢  
 Yellowish or red sepals, red spurs; May-June; 2½ ft; HP.  
**chrysanthia.** **AQUI-12.** 25¢  
 Yellow; long spurs; May-Aug; 3 ft; HP.  
**Jaeshkanii.** **AQUI-12J.** 30¢  
**Silver Queen.** **AQUI-12S.** 30¢  
 Long spurred white variety. Oz. \$2.00.  
**Mixed.** **AQUI-12X.** 25¢  
**clematiflora.** **AQUI-14.** 25¢  
 Pale pink and blue hybrids; 1½ ft; HP.  
**ecalcarata.** **AQUI-18.** 40¢  
 Elegant spurless fls; maroon-red; 9"; HP.  
**flabellata.** **AQUI-22.** 25¢  
 Pretty dwarf species; pure white; 1 ft.  
**nana alba.** **AQUI-22A.** 35¢  
 A dwarf white variety of above.  
**nana alba.** **AQUI-22N.** 40¢  
 Dwarf white; free flowering; 9"; HP.  
**formosa.** **AQUI-23.** 25¢  
 Red and yellow; RG; sun or shade; 9".  
**glandulosa.** **AQUI-24.** 30¢  
 True alpine; powder blue and white; RG; 8"; HP.  
**Hensol Harebell.** **AQUI-26.** 25¢  
 A vivid deep violet-blue; 18"; HP.  
**longissima.** **AQUI-32.** 25¢  
 Lovely pale yellow; very long spurs; 3 ft; HP. ¼ Oz. \$4.0 0.  
**Moortcroftiana v. fragens.** **AQUI-33F.** 50¢  
 Himalayas; 2¼ ft; HP.  
**pyrenaica.** **AQUI-38.** 30¢  
 Dwarf; deep blue; 6"; HP.  
**Reuteri:** see A. Bertolonii.  
**scopulorum v. calcareum.** **AQUI-40C.** 50¢  
 Easly grown form with paler fls, cream and light blue; 9"; HP.  
**Skinneri.** **AQUI-42.** 30¢  
 Crimson with greenish yellow sepals; spurs pale red. Oz. \$1.80.  
**Torkington's Double.** **AQUI-46.** 25¢  
 The only double; wine-rose; 3 ft; HP.  
**viridiflora.** **AQUI-47.** 50¢  
 Quaint but elegant, dainty fls; brown and deep green; 10"; HP.  
**vulgaris.** **AQUI-48.** 25¢  
 (A. transsilvanica); fls 2" ac; nodding blue and white; 18"; HP. Oz.\$50¢.  
**erecta.** **AQUI-48E.** 25¢  
 Edelwiss; single fls; mixed. Oz. 80¢.  
**Double Mixed.** **AQUI-48X.** 30¢  
**Species Blend.** **AQUI-SX.** 25¢  
 Only the species; no long-spurred types. Onue \$2.00.  
**Saier's Long Spur Blend.** **AQUI-IX.** 25¢  
 This strain contains the very best blend of the various long spurred Columbines.

**ARABIS.**

## ROCK CRESS

(A R-ah-bis) Cruciferae. Annuals, biennials and perennials with several fine rockery species, all easily grown from seed; mostly low plants; flowers in terminal spikes or racemes, blooming in early spring. Sow seed any time as for most perennials but early sown seed best.

- alpina gradiflora.** **ARAB-2G.** 20¢  
 Large pure white strain; 9"; HP. Oz. 60¢
- nana compacta.** **ARAB-2C.** 25¢  
 Very dwarf, free flowering white; HP.
- praecox.** **ARAB-2P.** 30¢  
 A giant flowered white. Oz. 70¢.
- rosea.** **ARAB-2Z.** 25¢  
 Very pretty bright rose; silver-gray foliage; 6"; HP. Oz. \$2.00.
- Snow Cap.** **ARAB-2SC.** 25¢
- Fruhlingszauber.** **ARAB-8F.** 25¢  
 Pretty carmine-rose from Switzerland.

**Breweri.**

Rare dwarf shrubby species; RG; deep red flowers; 6"; Calif; HP.

- caucasia.** **ARAB-13.** 50¢  
 (A. albida) To 1 ft; fragrant; white; HP.
- pumila, Snow Cap.** **ARAB-35S.** 25¢  
 Profuse; white; trailer; 6"; HP. Oz. \$2.00.
- purpurascens.** **ARAB-36.** 25¢  
 Dense cushions of neat rosetts; deep rose; HP.
- Schneehaube.** **ARAB-39.** 25¢  
 A pretty white; very early; HP.
- Arabis Blend.** **ARAB-X.** 25¢  
 All kinds mixed; HP.

**ARALIA.**

(ar-RAY-lee-uh) Araliaceae. About 20 species of deciduous trees, shrubs and plants mainly used for ornament and wild life food; the seed has a dormant embryo and fall sowing is probably best with 2 years allowed for complete germination.

**Moseri:** see *Fatsia japonica*.  
**Sieboldii:** see *Fatsia japonica*.

**spinosa.** **ARAL-14.** 25¢  
 Devil's Walking Stick, Hercules Club, Angelica Tree. Hardy up in Penn; (V); good wild-life food and shelter.

**ARAUJIA.**

(ar-RAW-jee-uh) Asclepiadaceae. Woody climbers with salver or bell-like fls; are tender and grown under glass in N; plant seed in early spring over some heat.

**sericofera.** **ARAU-1.** 30¢  
 White or pinkish fls, 1" ac; Brazil.

**ARBUTUS.**

(AHR-beu-tis) Ericaceae. Grown outdoors in warm sections or under glass in the N; well drained soil; evergreen tr or shrubs with attractive flowers.

**Unedo.** **ARBU-4.** 30¢  
 STRAWBERRY TREE; drooping clusters of white or pink fls; 30 ft;

**ARCTOSTAPHYLOS.**

Bearberry (ark-toh-STAF-ee-los) Ericaceae. Evergreen shrubs and small trees mostly native of California; not hardy in the N; useful for wild shelter and food and as a honey plant; seed is slow in germination due to the hard seed coat plus a dormant embryo; some species can be treated by sulfuric acid others by stratification in moist sand at 70-80 degrees; sow seed in the fall and leave 2-3 years; mulch beds.

**uva-ursi.** **ARCO-23.** 30¢  
 BEAR-BERRY; prostrate sh; good wild-life food; very hardy (II); stratify 60 days at 75 degrees followed by 60 days at 40. c...s. lb. \$6.00.

**bicolor.** **ARCO-2.** 25¢  
 To 6 ft; rose fls; Calif.  
**tomentosa.** **ARCO-26.** 25¢  
 Wooly-leaf Menzanita.

**ARCTOTIS.**

(ahrk-TOH-tis) Compositae. South African annuals with attractive daisy-like flower heads; valuable for cut-flowers; easily grown in fair soil and full sun; start seed indoors for real early bloom or they may be planted in the open in May. Flowers can be cut in the bud and they will open quickly if placed in the sun;; they will not stand hard frosts.

- acaulis.** **ARCT-1.** 25¢  
 Stemless; yellow, rays purplish beneath; 8"; HHA.
- grandis:** see *stoechadifolia*.  
 African Daisy. Pure white, with blue disk; 12"; HHA. Oz. 75¢.
- staechadifolia.** **ARCT-8.** 20¢

—Large Flowered Hybrids. ARCT-8H. 20¢  
Yellow, orange, bronze, red. Oz. \$1.00.  
—Arctotis Blend. ARCT-X. 20¢

### ARDISIA.

(ahr-DIZ-ee-ah) Myrsinaceae. A large genus of tropical ornamental evergreens suitable for the greenhouse. They make nice pot plants; seeds germinate readily.

—crispata. ADRI-1. 25¢

White fls; grown as a pot plant for its coral-red berries; TSh. \$2.00 per 100 Seeds.

—japonica. ARDI-2. 50¢

White flowers; red berries; 1½ ft; China. Lb. \$5.00.

—macropoda. ARDI-4. 30¢

Tender shrub; red flowers in cymes.

### ARECASTRUM.

Palmaceae. Palms.

—Romanzoffianum australe. ARES-1A. 75¢ Queen Palm.

### ARENARIA.

#### SANDWORT

(ay-e-NAY-re-ah) Caryophyllaceae. Low growing annuals and perennials usually forming low mats; excellent in the rockery; they are also excellent in carpet bedding; best in a sandy soil.

—balearica. AREN-3. 40¢

Corsican S. Creeper; 3"; solitary white fls; (V).

—caroliniana. AREN-8. 25¢

Clumps with 6" awl-shaped stems, covered with ½" white stars; RG; acid soil; sow seeds in early spring.

—Kotschyana. AREN-22. 40¢

Compact, tufted, glossy; many white fls; 23-ft; HP.

—laricifolia. AREN-23. 30¢

Has large white fls; extar chice for the rockery; 8"; HP.

—lithophila. AREN-27. 30¢

Extra choice; white fls; April-May; 1 ft. HP.

—montana. AREN-29. 35¢

A charming species; pure white fls; free blooming; trailer; HP.

—purpureascens. AREN-46. 30¢

Starry pink flowers on neat tuffets; 1"; HP.

—Arenaria Blend. AREN-X. 25¢

Mixture of species.

### ARGEMONE.

#### Prickly Poppy

(ahr-je-MOH-ne) Papaveraceae. Prickly Poppy. Grown as annuals in the flower garden, thriving in any good soil in a sunny place. Large poppy-like fls; 2-4 ft. tall; the plants make fine annual hedges; lbooms in April.

—alba. (A. intermedia) ARGE-1. 35¢

White fls; foliage marbled white; 3 ft; HHA.

—hybrida Mixed. ARGE-2F. 20¢

A French strain of fine hybrids.

—platyceras rosea. ARGE-4R. 25¢

Blooms for months; bluish rose-crimson flowers; 4 ft; HHA.

—hispida. ARGE-4H. 25¢

White fls and prickly; thistle-like fol; June-Sept; 2 ft; HA; space 1 ft.

—Argemone Blend. ARGE-X. 20¢

A mixture of all kinds.

### ARISEMA.

(ar-RISS-seem-ah) Araceae. Mostly tuberous rooted plants suitable for moist shady places; not hardy in the N but are good pot plants.

—amurense. ARIS-1. 30¢

Seed from South Rhodesia.

### ARISTEA.

(ah-RIS-te-ah) Iridaceae. South African plants, tender in the North but grown in the open in the far South. Leaves are in large basal rosettes; flowers blue and in spikes. In the North they are grown in the greenhouse.

—Ecklonii.

ARIT-3. 25¢

Bright blue fls; 2-3 inches ac; 1 ft; TP.

### ARISTOLOCHIA.

#### Dutch Pipe V

(ar-is-toh-L O H-ki-ah) Aristolochiaceae. Dutchpipe Vine. Mostly perennial climbers with odd-shaped flowers and heart-shaped leaves. Some are grown in the greenhouse; easily grown from seed.

—elegans.

ARST-5. 25¢

Purple-brown flowers with white markings; greenhouse climber; HP; (V).

—fimbriatus.

ARST-6. 35¢

Not much of a climber; fls 1" ac, greenish brown outside, purplish brown inside; Argentina.

—grandiflora.

ARST-11. 35¢

—labiosa.

ARST-14. 50¢

From E. Africa; (X).

—ornithocephala.

ARST-17. 50¢

—tomentosa.

ARST-19. 25¢

Climber to 30 ft; native of N. C. to Fla; HCl. Lb. \$4.00.

### ARMERIA.

#### THRIFT, SEA-PINK

(ahr-MEER-ee-ah) Plumbaginaceae. Sea-Pink; Thrift; Statice. Dwarf perennials plants; best in a sunny position and well drained soil. The genus has been reclassified of late; germination 2 weeks.

—caespitosa.

ARME-7. 50¢

Tufted; 2" high; shining dark green lvs; pink fls; RG.

—corsica.

ARME-5. 40¢

(A. leucocephala v. procera) Pale rose flowers; 1 ft; HP.

—formosa hybrids.

ARME-6H. 25¢

Large flowers in many colors; 18"; HP.

Oz. \$1.50; lb. \$10.00.

—Six Hills Hybrids.

ARME-6S 30¢

A very pretty English strain.

—juniperifolia.

ARME-10. 25¢

Hardy rockery alpine; 2 inches tall; white to deep pink; HP.

—leucocephala v. procera.

ARME-12. 50¢

Pale rose-pink, erect heads; 12"; Corsica.

—maritima.

ARME-14. 20¢

White to deep rose; 1 ft; HP.

—Laucheama.

ARME-14L. 25¢

Rose and pink heads; 1 ft; HHP.

—Welwitschii v. stenophila. ARME-22S. 25¢

A tufted plant with pink flower heads; 1 ft; HHP.

—Armeria Blend.

ARME-X. 20¢

### ARNICA.

(AR-ni-ka). Compositae. Perennial plants with clustered basal leaves and bright yellow flowers, on long spikes. They are effective in colonies in the wild garden, growing rapidly in an acid soil.

—cordifolia.

ARNI-6. 25¢

The flower heads in rays; 15"; HP.

—montana.

ARNI-11. 25¢

Mountain Tobacco. Large heads of yellow ray flowers; 2 ft. HP.

### ARTEMISIA.

#### (ahr-tee-MIS-ee-ah)

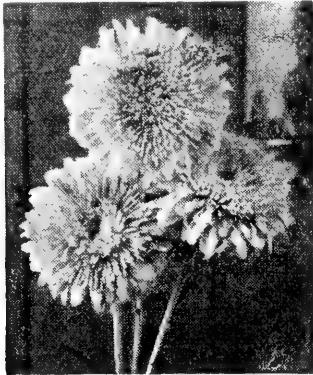
Wormwood. Compositae. Hardy aromatic plants some of which may be found listed in the Herb List. The flowers are in heads and composed entirely of tubular disk flowers; grown mainly for their aromatic and medicinal properties; thrives in poor soil. Flowers in late summer and makes plants in the back border. Sow in March at 60 degree Far; harden off.

USE SYMBOLS WHEN ORDERING SEED

|  |                      |   |   |
|--|----------------------|---|---|
| — <i>Absinthium.</i>   | <b>ARTE-2. 20¢</b>   | The common Wormwood; sub-shrub; 6 ft; HP.   | The seeds can be planted in pots. They germinate in 2-3 weeks but may be as long as 5-6 weeks; give some bottom heat. |
| — <i>caucasia.</i>   | <b>ARTE-15. 25¢</b>  |   |   |
| — <i>frigida.</i>  | <b>ARTE-19. 30¢</b>  | Silvery velvet mounds; arching gray flowers; 15"; HP; (III).  |   |
| — <i>glacialis.</i> (A. <i>llaxa</i> )   | <b>ARTE-20. 50¢</b>  | Golden yellow heads; Alps; HP.  |   |
| — <i>sacrum v. viridis.</i>  | <b>ARTE-40V. 50¢</b> | Summer Fir. Erect; yellowish flowers; 3-5 ft; HA.   |   |
| — <i>pedemona.</i>   | <b>ARTE-48. 50¢</b>  | Small silvery leaves; pale yellow flowers; HP.  |   |
| — <i>vulgaris.</i>   | <b>ARTE-50. 30¢</b>  | Erect yellowish flower heads; fragrant; 3½ ft; HP.  |   |
| — <i>Artemisia Blend.</i>  | <b>ARTE-X. 25¢</b>   |   |   |
| <b>ARTHROPODIUM.</b>   |                      |   |   |
| (ahr-throh-POH-di-um) Liliaceae. Tufted perennials of the Lily Family and grown in the GH; lvs grass-like; fls in clusters.  |                      |   |   |
| — <i>cirrhium.</i>   | <b>ARTH-2. 35¢</b>   | Hundreds of small white fls on 36" stems; cuts well; May-June; HHA.                                     |   |
| <b>ARUM.</b>   |                      |   |   |
| (AY-rum) Araceae. They require a rich soil, plenty of water and a shady place; some make nice pot plants for the greenhouse while others are hardy. If undisturbed, they will form better flowers; they are tuberous rooted plants.  |                      |   |   |
| — <i>italicum.</i>   | <b>ARUM-1. 30¢</b>   | Creamy white flowers in the spring; evergreen foliage in the South; 1 ft; HHP.                          |   |
| — <i>pictum.</i>   | <b>ARUM-6. 30¢</b>   | With green tube and purple limb.  |   |
| <b>ASCLEPIAS.</b>  |                      |   |   |
| (as-K-L E S-pe-as) Asclepiadaceae. Milk-weed. Milk-weed. Attractive habit and showy flowers; they make nice plants in the border; are easily grown from seed started as most perennials.   |                      |   |   |
| — <i>currassavica.</i>   | <b>ASCL-3. 25¢</b>   | Blood-flower. Reddish purple corolla; orange hoods; 3 ft; TA.   |   |
| — <i>syriaca.</i>  | <b>ASCL-14. 25¢</b>  | Green or purplish flowers; July-August; 5 ft; HP.   |   |
| — <i>tuberosa.</i>   | <b>ASCL-15. 25¢</b>  | Orange flowers; July-August; 2-3 ft; HP.  |   |
| <b>ASCYRUM.</b>  |                      |   |   |
| (ass-EYE-rum) Low shrubs; fls bright yellow, 4-parted; needs some protection in N; similar to Hypericum.   |                      |   |   |
| — <i>hypericoides.</i>   | <b>ASCY-2. 25¢</b>   |   |   |
| <b>ASIMINA.</b> (as-SIM-in uh).  |                      |   |   |
| (ass-SIM-in-uh) Annonaceae. Found in rich moist soils from Mich. southwards; best known for its fruits, eaten by man and wild-life; seed sown in the fall do not germinate till spring or the seed can be stratified in moist sand at 40 degrees for 2 months and planted in the spring.   |                      |   |   |
| — <i>triloba.</i>  | <b>ASIM-4. 40¢</b>   | PawPaw. Decid. tr to 30 ft; purple fls; 2" ac; fleshy edible fruits; Mich-Fla; (IV); seeds are 5¢ each. |   |
| <b>ASPAGRUS.</b>   |                      |   |   |
| (ass-PAR-ah-gus) Lilaceae. The decorative species are easily grown but are tender plants in the North. Those listed are grown for their green foliage. New crop seed comes in during the spring and commercial growers wanting seed by the pound should order before the end of the year.  |                      |   |   |
| — <i>asparagooides.</i>  | <b>ASPG-4. 25¢</b>   | Smilax of the greenhouse; berries dark purple. Oz. \$1.50; lb. \$12.00.                                 |   |
| — <i>cupressoides.</i>   | <b>ASPG-6. 40¢</b>   | Like tall evergreens; dark green pyramidal growth.  |   |
| — <i>falcatus.</i>   | <b>ASPG-12. 40¢</b>  | Tall climber to 10 ft; sickle-shaped leaves. 100 seeds \$6.00.  |   |
| — <i>plumosus.</i>   | <b>ASPG-16. 25¢</b>  | Tall climber for the greenhouse for cut greens; fine foliage; TP.                                       |   |
| — <i>nanus.</i>  | <b>ASPG-16N. 25¢</b> | Dwarf for pot culture or bench; Oz. \$1.20 lb. \$6.00.  |   |
| — <i>robusta.</i>  | <b>ASPG-16R. 30¢</b> | A stronger growing type. Oz. \$1.50; lb. \$12.00.   |   |
| — <i>pyramidalis.</i>  | <b>ASPG-16P. 30¢</b> |   |   |
| — <i>racemosa.</i>   | <b>ASPG-17. 30¢</b>  | Tall climber; handsome foliage; dense sprays.   |   |
| — <i>pseudoscaber v Spitzenschleier.</i>   |                      |   |   |
| 100 seeds \$6.00.  | <b>ASPG-17P. 50¢</b> |   |   |
| — <i>scandens v. deflexus.</i>   | <b>ASPG-18. 30¢</b>  | Small form, deflated branched branches; white flowers; 4 ft; TP.  |   |
| — <i>Sprengeri.</i>  | <b>ASPG-20. 30¢</b>  | To 6 ft; coarser foliage; fine for pots. Oz. \$1.30; lb. \$9.00.  |   |
| — <i>robustus.</i>   | <b>ASPG-20R. 30¢</b> | A strong growing type. 100 seeds \$4.00; 1,000 seeds \$12.00.   |   |
| — <i>virgatus.</i>   | <b>ASPG-24. 35¢</b>  | Foliage dark green; very easy. 100 seeds \$1.00; 1,000, \$5.00.   |   |
| <b>ASPERULA.</b>   |                      |   |   |
| (as-PER-eu-lah) Rubiaceae. Used in RG or for carpeting shady places; moist spots easy; lvs are in whorls and the flowers small lily-shaped in white, blue or pink  |                      |   |   |
| — <i>odorata.</i>  | <b>ASPR-12. 25¢</b>  |   |   |
| Sweet W. Fragrant; white fls 8"; HP.   |                      |   |   |
| — <i>orientalis.</i>   | <b>ASPR-13. 25¢</b>  | Pretty blue fls, effective in carpeting; 1 ft; HA. (Woodruff)   |   |
| — <i>verticillatus.</i>  | <b>ASPR-24. 50¢</b>  | Climbing to 15 ft; Persia-Siberia; (III); useful for cutting.   |   |
| <b>ASPHODELINE.</b>  |                      |   |   |
| (ass-pho-de-LIN-ee) Differs from Asphodelus only in the flower stems being leafless and the foliage clustered at base.   |                      |   |   |
| — <i>lutea.</i>  | <b>ASPD-4. 30¢</b>   |   |   |
| KING'S SPEARS. Fragrant yellow fls; racemes; part shade; 2-4 ft; TP.   |                      |   |   |
| <b>ASPHODELUS.</b>   |                      |   |   |
| (AS-foh-del-us) Liliaceae. Easy culture in the border or wild garden in rich sandy loam; flowers lily-like.  |                      |   |   |
| —Species from the Pyrenees. <b>ASPH-3. 30¢</b>   |                      |   |   |
| 25¢ for sample Saier's Garden Magazine.  |                      |   |   |
| <b>ASTERS.</b>   |                      |   |   |
| Sow Aster seeds indoors 6 weeks before it is time to set out in their beds, which is after danger of frost has passed. Do not crowd, usually a foot apart, and use care that they do not suffer a set back thru over watering, crowding or drought. It is best to transplant seedlings once; as the roots of Asters are shallow, use care in cultivating. Make succession plantings for continuous bloom but when possible use different types which flower at different times. All strains offered are wilt-resistant unless otherwise noted. |                      |   |   |

**PRINCESS:**

Attractive new cutting type; 2-1/2 ft. tall; branching, early; 3-3/2 inch flowers on strong stems and with a deep crested center surrounded by several rows of dainty plume-like petals.


**ASTER  
Princess Bonnie**

|  |                    |
|--|--------------------|
| —Anne.                                   | <b>AST-7A. 20¢</b> |
| A pale rose; very pretty.                |                    |
| —Barbara.                                | <b>AST-7B. 20¢</b> |
| New orchid color.                        |                    |
| —Bonnie.                                 | <b>AST-7N. 20¢</b> |
| A soft salmon-rose; dainty and pretty.   |                    |
| —Elizabeth.                              | <b>AST-7E. 20¢</b> |
| Pure white; a beautiful cut flower.      |                    |
| —Golden Sheaf.                           | <b>AST-Y. 20¢</b>  |
| A new yellow.                            |                    |
| —Linda.                                  | <b>AST-7L. 20¢</b> |
| Clear carmine-rose; new; very nice.      |                    |
| —Margaret.                               | <b>AST-7M. 20¢</b> |
| NEW. Very pretty deep rose.              |                    |
| —Marsha.                                 | <b>AST-7H. 20¢</b> |
| Scarlet; very showy for the type flower. |                    |
| —Pat.                                    | <b>AST-7P. 20¢</b> |
| All new carmine; delicate plums.         |                    |
| —Susan.                                  | <b>AST-7S. 20¢</b> |
| True deep blue in clear shade.           |                    |
| Any of above: Oz. \$1.10; lb. \$11.00.   |                    |
| —Princess Blend.                         | <b>AST-7X. 20¢</b> |

**QUEEN OF THE MARKET:**

This a popular early flowering Aster, branching, 20 inches tall, blooming in early August and a fine cut type.

|                             |                    |
|-----------------------------|--------------------|
| —Ballet Queen.              | <b>AST-8Q. 20¢</b> |
| A fascinating salmon-rose.  |                    |
| —Crimson.                   | <b>AST-8C. 20¢</b> |
| —Pure White.                | <b>AST-8W. 20¢</b> |
| —Salmon-rose.               | <b>AST-8Z. 20¢</b> |
| —Queen of the Market Blend. | <b>AST-8X. 20¢</b> |

This si a blend of the colors for cut flower use and not a mixture of left-overs.  
Oz. 75¢; lb. \$6.50. (Any of the Above)

**AMERICAN BRANCHING:**

Plants 2-1/2 ft. tall, branching, robust, flowers double, semi-ball shaped, late August. These can be had in all Aster colors.

|   |  |
|---|--|
| —Helda.   | <b>AST-1H. 20¢</b>                     |
| soft salmon-rose; makes a delicate display as a cut flower. | Oz.\$1.25; lb.\$9.00.                  |
| —Sensation.   | <b>AST-1S. 20¢</b>                     |
| A fine scarlet color; excellent cut-flower.                 |  |
| Oz. 75¢; lb. \$7.00.  |  |
| —Leuchfeuer.  | <b>AST-1L. 20¢</b>                     |
| A fiery copper scarlet; excellent for cutting.              | Oz. 90¢; lb.\$9.00.                    |
| —Colors Seperate.   | Oz. 90¢; lb. \$6.50.                   |
| —Blend.   | Oz. 80¢; lb. \$5.50 <b>AST-IX. 20¢</b> |

**CREGO:**

Plants robust, branching; 2-1/2 ft. tall;

flowers large, double; blooms mid-August; an all purpose type

|                          |   |
|--------------------------|---|
| —Enchantress.            | <b>AST-2E. 20¢</b>  |
| Lovely salmon-rose; NEW. | Oz. 90¢; lb. \$8.50.  |
| —Blue Flame.             | <b>AST-2B. 20¢</b>  |
| A fine clear dark blue.  | Oz. 90¢; lb. \$8.50.  |
| —Colors Seperate:        | White, lavender, rose-pink, shell-pink, deep rose, crimson. |
| Oz. 90¢; lb. \$8.50.     |   |
| —Crego Blend.            | <b>AST-2X. 20¢</b>  |

**GIANTS OF CALIFORNIA:**

The flowers are of the Crego-type, curled and twisted petals making a fine cut flower sort; stems stiff and non-branching; 3 ft; blooming in late summer.

|                                       |                      |
|---------------------------------------|----------------------|
| —Azure Blue.                          | <b>AST-4B. 20¢</b>   |
| A rich cut-flower shade.              | Oz. 90¢; lb. \$9.00. |
| —Crimson.                             | <b>AST-4C. 20¢</b>   |
| —Loveliness.                          | <b>AST-4L. 20¢</b>   |
| A rich pure pink touched with salmon. | Oz. 90¢; lb. \$9.00. |
| Oz. 90¢; lb. \$9.00.                  |                      |
| —Peach Blossom.                       | <b>AST-4P. 20¢</b>   |
| Opens white, flushed lavender-pink.   | Oz. 90¢; lb. \$9.00. |
| —White.                               | <b>AST-4W. 20¢</b>   |
| Pure white.                           | Oz. 90¢; lb. \$9.00. |
| —Giants of California Blend.          | <b>AST-4X. 20¢</b>   |
| Oz. 85¢; lb. \$8.50.                  |                      |

**GIANT OSTRICH FEATHER:**

Plants 2-1/2 ft. tall; branching; blooming in mid-August; flowers feathery, double and an all-purpose flower; wilt-resistant.

|                  |                      |
|------------------|----------------------|
| —Bright Rose.    | <b>AST-6Z. 20¢</b>   |
| —Crimson.        | <b>AST-6C. 20¢</b>   |
| —Malmaison Pink. | <b>AST-6P. 20¢</b>   |
| —Pure White.     | <b>AST-6W. 20¢</b>   |
| —Blend.          | <b>AST-6X. 20¢</b>   |
| Any fo above:    | Oz. 80¢; lb. \$8.00. |

**POM POM or LILLIPUT:**

Small flowered type; incurved petals; showy cut flower for small bouquets or edging.

|                              |                             |
|------------------------------|-----------------------------|
| —Forerunner.                 | <b>AST-11F. 20¢</b>         |
| A new carmine-rose variety.  | Oz. \$1.00;<br>lb. \$10.00. |
| —Sunbeam.                    | <b>AST-11S. 20¢</b>         |
| A clear yellow variety; new. | Oz. \$1.00;<br>lb. \$10.00. |
| —White with Blue Center.     | <b>AST-11WB. 20¢</b>        |
| —White with Red Center.      | <b>AST-11WR. 20¢</b>        |
| —Crimson.                    | <b>AST-11C. 20¢</b>         |
| —Dark Blue.                  | <b>AST-11B. 20¢</b>         |
| —Blend.                      | <b>AST-11X. 20¢</b>         |
| Any of abone.                | Oz. \$1.00; lb. \$10.00.    |

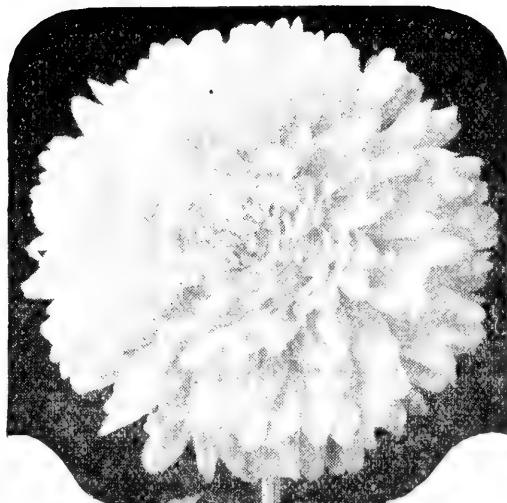
**SUPER GIANTS OF CALIFORNIA:**

This is the largest and most double Aster class yet developed; flowers 6-8 inches across, graceful, interlacing petals. Plant 2 1/2 ft. high; 6-8 non-lateral stems per plant.

|   |                     |
|---|---------------------|
| —El Monte.  | <b>AST-10C. 25¢</b> |
| A deep clear deep crimson.  |                     |
| —Los Angeles.   | <b>AST-10L. 25¢</b> |
| A beautiful shell pink making it a fine variety for cutting and make-up work. |                     |

**PERENNIAL SPECIES OF ASTERS:**

|  |                     |
|--|---------------------|
| —alpinus.  | <b>AST-14. 30¢</b>  |
| Violet flowers; 10 inch high; HP.                              |                     |
| —alba.   | <b>AST-14A. 30¢</b> |
| A white rockery form; daisy-like flowers on 6 inch plants; HP. |                     |
| —Beechwood.  | <b>AST-14B. 40¢</b> |
| —Goliath.  | <b>AST-14G. 30¢</b> |
| —Large Flowered Types.   | <b>AST-14L. 30¢</b> |
| Large flowered types; 9 inch plants; HP.                       |                     |
| —superbns.   | <b>AST-14S. 30¢</b> |
| Larger flowers than the type; showy.                           |                     |
| —caucasicus.   | <b>AST-20. 30¢</b>  |



AMERICAN BRANCHING ASTER

Purple ray flowers; heads  $1\frac{1}{2}$  inches across; 2 ft; HP.

—*communis crassulus*. AST-23. 30¢  
A small flowering white; Montana; August; 2 ft; HP.

—*conspicuus*. AST-25. 30¢  
Profuse blooming; 1 inch pure rose flowers; 18 inches high; HP.

—*dumosus "Victor"*. AST-36V. 40¢

—*Farreri*. AST-40. 35¢  
Narrow violet ray flowers; vermillion-orange disks; 1 ft; HP.

—*himallaicus*. AST-57. 35¢  
Heards  $1\frac{1}{2}$  inch across; lilac-blue ray flowers; 18 inches tall; HP.

—*meritus*. AST-75. 75¢  
Pretty pinkish violet flowers, flat-topped race; July; 12 inches; HP; (II).

—*ptarmicoides*. AST-94. 40¢  
White, cream centers; July-August; 12"; HP; (II).

—*Purdomii*. AST-97. 50¢  
Brilliant violet with hump of flaming orange; 9"; China; HP.

—*pyrenaeus*. AST-98. 40¢  
Flowers  $2\frac{1}{2}$ " across, rays lilac; 1½ ft; HP.

—*sikkimensis*. AST-108. 30¢  
AST-110. 30¢

—*subcaeruleus*. AST-110. 30¢  
Very large lilac-blue flowers; very good; 9 inches high; HP.

—*Star of the Warburg*. AST-110W. 30¢  
Bright lavender-blue; prominent yellow center.

—*Perennial Aster Blend*. AST-PX. 25¢

**A STIL BE.**  
(ah-STIL-be) Saxifragaceae. The florist Spirea; easily forced in the greenhouse; sow seed in the spring using soil containing sand, peat and leaf mould. They thrive in moist soil and part shade.

—*chinensis*. ASTI-4. 30¢  
A dwarf form; white flowers; 2 ft; HP.

—*rivularis*. ASTI-10. 30¢  
Yellowish white flowers in large panicles; 5 ft; HHP.

**ASTRAGALUS.**  
(as-TRAG-ah-lus) Leguminosae. Deeply cut lvs and purple, yellow or white fls in spikes or racemes; thrives in light sandy soils and used in the RG or border; easily grown from spring sown seeds.

—*alopecuroides*. ASTR-4. 40¢  
Yellow fls in dense spikes; 5 ft; HP.

—*crassicarpus*. ASTR-15. 40¢  
Buffalo Pea; raspberry clusters; 15"; HP; (II).

—*missouriensis*. ASTR-27. 40¢

Showy magenta-purple fls in clusters; 5 ft; HP; (I).

—*Purshii*. ASTR-30. 30¢  
Mat forming, white woolly lvs; fls white or blue; sun; HP.

—*spatulatus*. ASTR-40. 50¢  
Tufted RG; bright purple little heads; 4" HP; (I).

**A S T R A T I A.**

(as-TRAN-shi-ah) Umbelliferae. Flowers are in odd and attractive umbels and they make interesting plants for the border, especially in moist places; seed of the varieties do not come 100% true.

—*bavarica*. ASTN-3. 30¢

**A S T R O C H L A E N A.**

—*malvacea*. ASTL-1. 30¢  
South Rhodesian flower; (IX).

**A T A L A Y A.**

—*hemiglaucha*. ATAL-3. 50¢  
White fls in summer; 30 ft.

**A T R I P L E X.**

(AT-rip-plex) Chenopodiaceae. SALT BUSH; Small plants and shrubs generally grown on dry salty soils; one species in the herb list.

—*hortensis*. ATRI-4. 25¢  
ORACH; 6 ft; grow like Spinach; HA. the Herb List. Sow seed in April; thin to 18" apart.

—*numularia*. ATRI-8. 25¢

**A T R O P A.**

(A-thro-pa) Solanaceae. BELLADONNA. mainly grown for its drug properties.

—*Belladonna*. ATRO-1. 25¢  
Shining black berries; 3 ft; HP; poisonous; a drug herb.

**A U B R I E T I A.**

(aw-BREE-she-uh) Mat forming perennials prized for their abundant flowers in the spring; they are favorites in the rockery and closely allied to and resemble Arabis. Easily grown from seed, starting them anytime, for flowerin the next spring; they are especially good between rocks and like a little shade.

—*deltoides*. AUBR-2. 25¢  
All the garden varieties belong to this species.

—*Campbelli*. AUBR-2C. 25¢  
Ageratum-blue flowers.

—*Eyrei*. AUBR-2E. 25¢  
A very beautiful blue; HP.

—*grraea*. AUBR-2G. 25¢  
Large and more bushy than type; HP.

—*Hybrids*. AUBR-2HY. 25¢  
Large flowered types; HP.

—*Hendersonii*. AUBR-2H. 25¢  
—*Giant Hybrids*. AUBR-2GH. 25¢

—*Leichtlinii*. AUBR-2L. 25¢  
—*Whitewall Gem*. AUBR-2W. 25¢

Pretty violet flowers; HP.

—*violacea*. AUBR-2V. 25¢  
Improved form, pure violet flowers.

—*Mrs. Rodewald*. AUBR-2R. 40¢  
This want breed true but as it is the best of all Aubrietas, it's off-spring should be good.

—*Aubrieta Blend*. AUBR-2X. 25¢

**A U C U B A.**

Cornaceae. Evergreen shs grown in cool GH or outdoor in S; ornamental fol; part shade; moist well drained soil.

—*japonica*. AUCU-6. 30¢  
Dark green shining lvs 7" long; 15 ft.

USE SYMBOLS WHEN ORDERING SEED

**AUREOLARIA.** (aw-ree-ol-LAY-ree-uh) Scrophulariaceae. N. Am. perennials.

—*flava.*

4 ft HP; yellowish orange fls, 2" long; July-Aug; Wis-Miss; (IV).

**AVENA.** Ornamental Oats (ah-VEN-ah) Gramineae. Ornamental Oats; mostly annual grasses with loose panicles; seed sown early in the spring or in the fall in the South; ornamental.

—*sterilis.*

Aninated Oats; 3 ft; awns 2" HA.

**AZALEA.**

Rhododendron. The Azaleas belong to the Rhododendrons but we will list some of the trade items here; culture as for Rhodcdendrons.

**BABIANA.**

(bab-ee-AY-nuh) Iridaceae. South African cormous plants to be grown indoors in the N or outside in the S. Flowers in terminal clustres or racemes.

—*hypoena.*

**BABI-4.** 35¢

**BACCHARIS.**

(bak-KAR-iss) Compositae. Shrubs with small white or yellowish heads in corymbs or panicles. They are showy.

—*halimifolia.*

Groundsel-bush. 12 ft; (IV); grows along the sea shore and marshes. Oz. 60¢; lb. \$4.50.

**BAERIA.**

(BEER-ee-uh) Small Calif. native annuals; 1 foot; with heads of small yellow daisy-like fls; blooms late spring or summer, easy; good for edging or for everlasting flowers.

—*aristata.*

Useful for edging or Everlasting fls; heads ½ inch across.

—*chrysostoma.*

(B. aristata) 10"; heads ½ in ac; HA.

**BAER-1.** 30¢

BAER-3. 30¢

**BALLOON VINE:** see *Cardiospermum*.

**BALM, Lemon:** see *Melissa officinalis*.

**BALSAM Garden** see *Impatiens balsamina ina*.

**BALSAMORHIZA.** Balsam Root

(bol-sam-or-RYE-zuh) Compositae. Balsam Root. Nice plants for the wild garden with Sunflower-like fls; sandy soil.

—*sagittata.*

Lvs like shields; 2 ft; April; HP; (IV).

**BALS-5.** 30¢

**BANKSIA.**

(BANKS-ee-ah) Proteaceae. Australian evergreen shrubs and trees; flowers in dense terminal spikes; grown in the far South; not easy by seed.

—*serrata.*

Large bottle-brush flowers, 8 inches; lovely silver leaves; tree to 20 ft; Australia.

**BANK-24.** 50¢

**BAPTISTA.** FALSE INDIGO

(bap-T-E Z-ee-ah) Leguminosae. Sturdy perennials, growing to 6 feet; foliage is a deep green and attractive in the border; the flowers resemble Lupins in form and come in all shades of blue, white and yellow. Late in the fall the seed pods turn black and are thus rather showy. Seed can be planted where the plants are to row; rich soil best; HP.

**BAPT-2.** 20¢

—*australis.* Deep blue fls; 3-4 ft; June-July; HP; (IV); Oz. 90¢.

—*alba*.

—*Hybrids.*

**BAPT-2A.** 25¢

**BAPT-2H.** 20¢

In shades of blue.

—*tinctoria.*

**BAPT-9.** 30¢ Yellow pea-blossoms in summer; sunny, dry sandy soil best; HP.

**BARLERIA.**

(bar-LEER-ee-uh) Acanthaceae. Tropical plants grown in the greenhouse in the N. They have showy bracts.

—*lupulina.*

**BARE-3.** 40¢ Thorny sh; long gray lvs with red midrib; lyellow fls; GH.

**BARTONIA seeaurea:** *Mentzelia Lindleyi*.

**BASIL, Sweet:** see *Ocimum basilicum*.

**BAUHINIA.**

(boh-HIN-ee-ah) Leguminosae. Tropical plants grown out doors in the South. They make a fine showing with their colorful racemes of white, purple and yellow flowers; TP.

—*acuminata.*

**BAUH-2.** 30¢ White flowers in racemes; 6 ft shrub; TSh; (X).

—*megalandra.*

**BAUH-9.** 30¢ Collected in South Rhodesia. Brick-red fls; pods 5" long; S. Af.; 10 ft.

—*purpurea.*

**BAUH-13.** 25¢ Small Indian tree; orchid-like fls; bright rose; (X).

—*tomentosa.*

**BAUH-15.** 40¢ St. Thomas Tree. Sh to 15 ft yellow fls with a red blotch on petal; from E. Af; (X).

—*variegata.*

**BAUH-18.** 30¢ Mountain Ebony; Orchid Tree. Popular tree for the South; (IX).

—*Mixed.*

**BAUH-X.** 25¢

**BEANS: Ornamental.**

Only those that are grown for ornament are listed here. Garden beans are listed in the Vegetable List; see index.

—*Scarlet Runner.*

**BEAN-1.** 25¢ Pretty climber with scarlet fls; 10 ft; TA. Lb. 90¢.

25¢ for sample Saier's Garden Magazine.

**BEAUFORTIA.**

Colorful plants for light soils; full sun; do not disturb the roots.

—*squarrosa.*

**BEAF-7.** 25¢

**BEAUMONTIA.** (beau-MON-te-ah)

Apocynaceae. Vines native of East India with showy funneliform fls in terminal cymes; (X).

—*grandiflora.*

**BEAM-1.** 40¢ Herald's Trumpet. White trumpet fls; 5" long and broad; fragrant; sh. or tr.

**BEGONIA**

(be-GON-ee-ah) Begoniaceae. This is a popular plant, especially for pot culture. The seed is rather small and should not be covered with soil; care must be used in germinating them and the casserole method is usually best for small lots. Begonias are divided into three classes: fibrous rooted, tuberous rooted and rhizomatous.

**SEMPERFLORENS:** Dwarf compact grower and allmost a continual blooming plant. It is very popular for both greenhouse pot plants and for outdoor bedding. They come in many beautiful colors; all grown as annuals and should be started indoors very early.

—*Albert Martin.*

Carmine flowers.

—*Christmas Cheer.*

**BEG-2T.** 50¢

**BEG-2C.** 50¢

- |   |                       |
|---|-----------------------|
| <b>A Christmas red; a fine variety.</b>   |                       |
| <b>—Erfordia.</b>   | <b>BEG-2E. 50¢</b>    |
| A dainty rosy carmine variety.  |                       |
| <b>—Glow.</b>   | <b>BEG-2GK. 50¢</b>   |
| Improved Fire Sea; brilliant scarlet and dark foliage.  |                       |
| <b>—Gustav Knaake.</b>  | <b>BEG-2K. 50¢</b>    |
| A strong grower in a fiery crimson.   |                       |
| <b>—King of the Reds.</b>   | <b>BEG-2R. 50¢</b>    |
| Dwarf, bright scarlet and bronze foliage.   |                       |
| <b>—Rose de Bois de Veaux.</b>  | <b>BEG-2V. 50¢</b>    |
| A compact rose variety.   |                       |
| <b>—Snowcloth.</b>  | <b>BEG-2W. 50¢</b>    |
| Pure white and green foliage.   |                       |
| <b>—Salmon Queen.</b>   | <b>BEG-2Q. 50¢</b>    |
| Salmon-red and dark foliage; popular.   |                       |
| <b>—Vernon.</b>   | <b>BEG-2N 50¢</b>     |
| A nice scarlet flower.  |                       |
| <b>—Wintermarchen.</b>  | <b>BEG-2M. 50¢</b>    |
| Carmine-rose flowers and green foliage.   |                       |
| <b>—Blend of Varieties.</b>   | <b>BEG-2X. 50¢</b>    |
| Trade packets holding 3 times the quantity of seed for \$1.00 each.   |                       |
| <b>SEMPERFLORENS GRACILIS:</b> Compact and dwarf plants, especially suited for pot lecture in the greenhouse; where a dwarf plant is needed, they can be used in bedding.   |                       |
| <b>—Ball's Dark Rose.</b>   | <b>BEG-3BR. 50¢</b>   |
| <b>—Ball's Red.</b>   | <b>BEG-3BR. 50¢</b>   |
| <b>—Carmen.</b>   | <b>BEG-3C. 50¢</b>    |
| Bright rose and bronze foliage.   |                       |
| <b>—Indian Maid.</b>  | <b>BEG-3M. 50¢</b>    |
| A ice bright scarlet with bronze foliage.   |                       |
| <b>—Luminosa.</b>   | <b>BEG-3L. 50¢</b>    |
| Deep scarlet and bronze foliage.  |                       |
| <b>—compacta.</b>   | <b>BEG-3LC. 50¢</b>   |
| An extra dwarf strain of the above.   |                       |
| <b>—Prima Donna.</b>  | <b>BEG-3D. 50¢</b>    |
| Rose turning to carmine.  |                       |
| <b>—Radio.</b>  | <b>BEG-3R. 50¢</b>    |
| A llarge flowered carmine-scarlet.  |                       |
| <b>—White Pearl.</b>  | <b>BEG-3W. 50¢</b>    |
| <b>—Blend of bove.</b>  | <b>BEG-3X. 50¢</b>    |
| Trade packeis containing 3 time the regular packet for \$1.00 each.   |                       |
| <b>TUBEROUS ROOTED:</b>   |                       |
| <b>—Single Mixed.</b>   | <b>BEG-4SX. 50¢</b>   |
| <b>—Double Mixed.</b>   | <b>BEG-4DX. 50¢</b>   |
| <b>BEGONIA SPECIES:</b>   |                       |
| The seed of most Begonia species is not plentiful and supplies in many cases depends on those growing them as a hobby; We will appreciate any one able to save good seed if they will contact us on the matter.     |                       |
| <b>—acutangularis.</b>  | <b>BEG-4. 50¢</b>     |
| <b>—acuminata.</b>  | <b>BEG-7. 50¢</b>     |
| <b>—angularis.</b><br>(B. zebrina).   | <b>BEG-14. 50¢</b>    |
| <b>—Boweri major.</b>   | <b>BEG-19M. 50¢</b>   |
| <b>—circumiobata.</b>   | <b>BEG-27. 50¢</b>    |
| <b>—coccinea.</b>   | <b>BEG-22. 50¢</b>    |
| Fibrous-rooted; large wax-like coral fls.   |                       |
| <b>—Evansiana.</b>  | <b>BEG-43. 50¢</b>    |
| Tuberous; 2 ft; stands some frost; flesh coloder flowers.   |                       |
| <b>—macbethii.</b>  | <b>BEG-46. 50¢</b>    |
| <b>—ferruginea.</b>   | <b>BEG-47. 50¢</b>    |
| Collected in Columbia.  |                       |
| <b>—foliosa.</b>  | <b>BEG-48. 50¢</b>    |
| Fibrous; 18" fls white tinged with rose; good basket type Begonia.  |                       |
| <b>—epipsila.</b>   | <b>BEG-52. 50¢</b>    |
| <b>—Evansiana alba.</b>   | <b>BEG-53A. 50¢</b>   |
| <b>—gigantea.</b>   | <b>BEG-54. 50¢</b>    |
| Small white or pale pink flowers; good for pots or bedding.   |                       |
| <b>—francesii.</b>  | <b>BEG-58. 50¢</b>    |
| <b>—incana.</b>   | <b>BEG-90. 50¢</b>    |
| <b>—Kelleranii.</b>   | <b>BEG-91. 50¢</b>    |
| <b>—sandersii.</b>  | <b>BEG-91. 50¢</b>    |
| <b>—involucrata.</b>  | <b>BEG-94. 50¢</b>    |
| <b>—metallica.</b>  |                       |
| <b>—rubro-venia.</b>  |                       |
| <b>—suboillosa.</b>   |                       |
| <b>—schartfiana.</b>  |                       |
| <b>—Roezii.</b>   |                       |
| <b>—Basket Type Tuberous.</b>   | <b>BEG-158BX. 50¢</b> |
| <b>—Schmidtiana.</b>  | <b>BEG-150. 50¢</b>   |
| <b>—Tuberous Mixed.</b>   | <b>BEG-158X.50¢</b>   |
| — Many Hybrids.   | <b>BEG-158F. 50¢</b>  |
| <b>—REX type.</b>   | <b>BEG-117. 50¢</b>   |
| Many foliage variations; popular pot pl.  |                       |
| <b>—Begonia Blend.</b>  | <b>BEG-X. 50¢</b>     |
| This contains all kinds of Begonias.  |                       |
| <b>BELAMCANDA.</b>  |                       |
| (bel-am-KA N-dah) Iridaceae. Iris-like perennials with stout root stalk, grown for their flowers and blackberry-like fruits which can be made up into dried material. Easily grown in full sun; best in sandy soil. |                       |
| <b>—chinensis.</b>  | <b>BELA-1. 25¢</b>    |
| Black-berry Lily; 4 ft; orange spotted red fls; HP.   |                       |
| <b>—Roots:</b> Mailed during Sept.; 3 for 75¢; 12 for \$1.60.   |                       |
| <b>BELLIS</b>   |                       |
| Compositae. Annuals and perennials growing in tufts; easily grown from seed sown in early spring for flowers the next season; favorite for edging or can be planted in the lawn.                                    |                       |
| <b>CHEVREUSE:</b> Large flowering strain.   |                       |
| <b>—White.</b>  | <b>BELL-5W. 25¢</b>   |
| <b>—Rose.</b>   | <b>BELL-5Z. 25¢</b>   |
| <b>—Crimson.</b>  | <b>BELL-5C. 25¢</b>   |
| <b>—Mixed.</b>  | <b>BELL-5X. 25¢</b>   |
| <b>MINIATURE TYPE:</b>  |                       |
| Small flowered type, very dainty for edgeing; HB.   |                       |
| <b>—Rose.</b>   | <b>BELL-7Z. 25¢</b>   |
| <b>—White.</b>  | <b>BELL-7W. 25¢</b>   |
| <b>—Miniature Mixed.</b>  | <b>BELL-7X. 25¢</b>   |
| <b>MONTSTROSA TUBULOSA:</b> Quilled petals; very showy.   |                       |
| for bedding.  |                       |
| <b>—Red Beauty.</b>   | <b>BELL-4R. 25¢</b>   |
| <b>—Rose Beauty.</b>  | <b>BELL-4Z. 25¢</b>   |
| <b>—White Beauty.</b>   | <b>BELL-4W. 25¢</b>   |
| <b>—Montrosa Mixed.</b>   | <b>BELL-4X. 25¢</b>   |
| <b>MONTROSA TUBULOSA:</b>   |                       |
| Quilled petals; very showy.   |                       |
| <b>—Bernina.</b>  | <b>BELL-6B. 25¢</b>   |
| White changing to pink; double.   |                       |
| <b>—Etna.</b>   | <b>BELL-6E. 25¢</b>   |
| Double dark red.  |                       |
| <b>—Lutea.</b>  | <b>BELL-5L. 25¢</b>   |
| Rich yellow flwrs.  |                       |
| <b>—Tiflis.</b>   | <b>BELL-6T. 25¢</b>   |
| Double carmine-rose.  |                       |
| <b>—Tubulosa Blend.</b>   | <b>BELL-6X. 25¢</b>   |
| <b>PEPPENNIS:</b>   |                       |
| The true or English Daisy; 6"; popular spring flowers; HP.  |                       |
| <b>—Longfellow.</b>   | <b>BELL-3L. 20¢</b>   |
| An extra double bright red.   |                       |
| <b>—Rose.</b>   | <b>BELL-3LZ. 25¢</b>  |
| Same in a pure rose.  |                       |
| <b>—Vesuvius.</b>   | <b>BELL-3V. 25¢</b>   |
| Nice ruby-red.  |                       |
| <b>—Rosea.</b>  | <b>BELL-3Z. 25¢</b>   |
| White with delicate rose centers.   |                       |
| <b>—Snowball.</b>   | <b>BELL-3W. 25¢</b>   |
| Pure white.   |                       |
| <b>—Perennis Blend.</b>   | <b>BELL-3X. 20¢</b>   |
| <b>BELLS OF IRELAND:</b> see <i>Molucella laevis</i>  |                       |
| <b>BFRBERIS.</b>  |                       |
| Barberry. Berberidaceae. Well known shrub of great ornamental value and easily grown from seed sown in the fall when they germinate.  |                       |

ate in the spring.

**koreana.**

Flowers in racemes, 1" long; bright red berries; Korea; 6 ft.

**Thunbergii.**

Clean seed \$5.00 per lb.

**atrapurpurea.**

Dark scarlet-red leaved; C. S. \$5.50 lb.

**pluriflora.**

More erect and leafy; from selected plants; Oz. \$1.50.

**BERB-53. 50¢**

Flowers in racemes, 1" long; bright red

berries; Korea; 6 ft.

**BERB-84. 25¢**

C. S. \$5.50 lb.

**BERB-84A. 25¢**

Dark scarlet-red leaved; C. S. \$5.50 lb.

**BERB-84P. 40¢**

More erect and leafy; from selected

plants; Oz. \$1.50.

**BERLANDIERA.**

Compositae. Natives of the S. U. S. and Mexico; yellow ray- and disk-flowers; spring and summer.

**lyrata.**

Covered in spring and summer with yellow flowers with black centers; HA. Oz. 75¢ lb. \$8.00.

**BESSEYEA:** see *Synthesis*.

**BERTOLONIA.**

(ber-toh-LOH-nee-uh) Melastomaceae. Dwarf Brazilian plants; flowers in racemes. They are very attractive foliage plants in the GH, the lvs being purplish on under side and different metallic colors above; dense shade, humid atmosphere.

**maculata.**

Lvs velvety green above, veins bordered with purple or magenta band; fls rose.

**marmorata.**

Lvs streaked with white along veins; fls purple.

**BESCHORNERIA.**

Amarllidaceae. Mexican evergreen sub-shrubs resembling the Yucca.

**tuberflora.**

**BESC-2. 35¢**

**BETULA.**

(BET-yew-luh)

Birch. Betulaceae. Deciduous trees of the North; thrive in moist sandy soils; transplant seedlings after one year's growth.

**mandshurica v. japonica.** **BETU-22J. 50¢**  
Japanese White Birch. Oz. 75¢; lb. \$5.00.

**papyrifera.** **BETU-26. 25¢**

Canoe or Paper Birch. Oz. \$1.50.

**populifolia.** **BETU-28. 35¢**

Birch. Tree to 45 ft; white bark; very pretty; use fresh seed.

**BIDENS.**

(BYE-den-z) Compositae. Only garden species listed. Burr-Marigolds.

**dahloides.**

**COS-10. 30¢**

(Cosmos atrosanguineus) Black Cosmos; red disk and dark velvety-red rays; per. but grow as annual; June-Oct; sun.

**coronata.**

**BIDE-4. 40¢**

Heads 2½" ac; rays golden yellow; IV; HA or HB.

**BIGNONIA:** see Tecoma. (*Tecomaria*).

**Tweediana:** see Doxantha *Unguis-cati*.

**BILLBERGIA.**

(bil-BURR-jee-uh) Bromeliaceae. Stemless epiphytic plants of tropical America; lvs in rosettes or clusters; fls showy, blue, in spikes or panicals; it is a showy plant for the GH or as a house plant.

**Blend of Species.**

**BILL-X. 75¢**

**BIXA.**

(BIX-uh)

Bixaceae. Tropical Amer. trees; grown for its dye.

**Orllana.**

**BIXA-1. 30¢**

Annatto. Tropical tr. with rose fls 2" ac; fr. reddish brown; (X). Oz. 80¢; lb. \$5.00.

**BLIGHIA.**

(BLYE-gee-uh) Sapindaceae. W. Af. tree named for Capt. Bligh, of Mutiny on the Bounty fame.

**sapida.**

Akee. Ornamental tr. to 40 ft; for moist soil; will stand 25 degree F; (IX).

**BLIG-1. 35¢**

**BLOOMERIA.**

Lilaceae. Natives of S. Calif; basal grass-like leaves; flowers yellow, wheel-shaped; they stand down to 20 degrees Far. in well drained soils. Dig corms up after flowering and replant in the fall.

**Clevelandii.**

A miniature Bloomeria; nice in RG; HHP.

**crocea.**

Golden Stars. Pure yellow; 18"; (V).

**BLOO-1. 40¢**

**BOCCONIA cordata:** see *Maclaya cordata*.

**BOLTONIA.**

(bol-TOH-nee-ah) Compositae. Resembles wild Asters; easily grown from seed; it makes nice border or wild garden display; good in moist places.

**latissquama.**

Masses of white to pinkish Aster-like flowers; showy in masses; good to cut; 5 ft; HP.

**BOLT-2. 30¢**

**BOLUSTANTHUS.**

(bo-lu-SAN-thus) Leguminosae. One Af. tree suitable for the South.

**speciosus.**

15 ft; bright blue fls, pendulous racemes.

**BOLU-1. 50¢**

**BOMBAX.**

(BOM-bax) Bombacaceae. Large ornamental tropical trees; planted in the far S.

**malabaricum.**

Fls 4" ac; fr. 6" long; 100 Seeds \$4.00; 1,000, \$15.00.

**BOMB-1. 50¢**

**BORAGO.** (bor-A-go)

Boraginaceae. Borage. Medit. plants useful in the garden, rockery and one grown as a herb.

**officinalis.**

An attractive plant; nodding heads of sky-blue fls; June-Sept; 2 ft; HA; can start from March to May; space 1 ft; it is an excellent plant for bee food. Oz. 45¢.

**BORA-3. 25¢**

**BRACHYCOME.**

(bra-KIK-oh-me) A pretty and easily grown Australian annual, thriving in dry and sunny situation. They are covered with Cineraria-like flowers; good for edging or in the front border; seed sown in Aug. or Sept. will make excellent pot plants in early spring. sow seed in late April where they are to grow; makes a nice pot plant.

**iberidifolia.**

BRAK-1. 20¢

**iberidifolia Blue Star.**

**BRAK-1B. 20¢**

**—White.**

**BRAK-1W. 20¢**

**—Pink.**

**BRAK-1P. 20¢**

**—Mixed.**

**BRAK-1X. 20¢**

**BRODIAEA.**

(broh-di-EE-ah) Liliaceae. Hardy in the VIII zone; used in borders or in pots; soil must be well drained.

**californica.**

**BROD-2. 30¢**

Violet-purple fls; 1 ft; Calif; HP.

**BROD-3. 30¢**

**capitata.** Now Dichelostemma pulchellum. (!!) Earliest; light blue; HP.

**BROD-4. 50¢**

Violet-purple fls; 18"; B. C. to Calif.

**BROD-7. 50¢**

**coronaria.** Yellow fl-heads; fls striped brown; very

**BROD-5. 50¢**

**Hendersonii.** Yellow fl-heads; fls striped brown; very

- choice; sun or part shade; 4-6"; Ore.  
 —*ixiodes*. BROD-8. 50¢  
 —*orcuttii*. BROD-9. 30¢  
 San Diego Wild Hyacinth.  
 —*puchella*. BROD-11. 30¢  
 Erect heads; clear blue fls; 2 ft; sun; HP.  
 —*Brodiaea Blend*. BROD-X. 25¢

**BORONIA.** (bo-RON-ee-ah)

The genus contains some of the loveliest of Australian flowers. Most Boronias like sheltered, well drained places; very hot or cold winds are fatal.

- ledifolia*. BORO-6. 40¢  
 Deep pink flowers; dark green leaves; a very beautiful plant.

- megastigma*. BORO-7. 40¢  
 Fragrant penetrating bloom; found on wet soils; 2 ft; flowers purple, yellow inside; W. Aust.

**BOTTIONEA.**

(bot-ti-OH-ne-ah) Liliaceae. One bulbous plant from Chile.

- thyrsanoides*. BOTT-1. 50¢  
 (Anthericum plumosum, Trichopetalum gracile) White fls, ½" ac; 16"; HHP.

**BRACHYCHITON.**

Australian Flame Tree. (*Sterculia*) Bright scarlet flowers; very pretty; (X). ft. sh; China; (IV).

- acerifolium*. BRACC-1. 40¢  
 Australian Flame Tree. (*Sterculia*) Flowers bright scarlet. Oz. 75¢; lb. \$6.00.

- populeum*. BRACC-7. 30¢  
 Kurrajong. Ornamental Aust trs; fls yellowish white, reddish inside, followed by fruits; (X).

**BRAHEA** *filamentosa* and *filifera*: see *Washingtonia filifera*. Palms.

**BRAHEA** *glaucia*: see *Erythea armata*.

**BRASSICA.** (BRAS-ee-uh)

Cruciferae. Mustards. Cool weather plants; all easil grown.

- nigra*. BRAS-19. 25¢  
 Black Mustard. Main source of table mustard; 6 ft; HHA.

**BROWALLIA.** (broh-WALL-ee-ah)

Solanaceae. Free flowering half hardy annuals; excellent bedding plants; space 6"; they have intense blue fls; sunny places and good drained soil; start early; they make good pot plants.

- americana*. BROW-1. 25¢  
 (B. elata) Blue fls; 2 ft; HHA.

- speciosa major*. BROW-3. 25¢  
 Deep blue fls, 2" ac; hanging baskets; TP; space 12"; (C-41)

- viscosa comp. v. Sapphire*. BROW-4S. 30¢  
 Compact; dark blue with white eye; 9"; nice pot plants; HHA; (C-41).

**BRIZA.** (BRY-zah)

Quacking Grass. Ornamental grass grown for bouquets, dried or for specimen planting outdoors; sow seed early; C-17...

- maxima*. BRIZ-1. 20¢  
 Grows 2 ft; HA. Oz. 40¢.

- minor*. BRIZ-2. 20¢  
 A smaller plant to 15 in. Oz. 50¢.

**BROMELIADS.**

Mostly very nice GH foliage plants in N; grown as pot plants.

- Columbian species*. BOEH-1. 40¢

**USE SYMBOLS WHEN ORDERING SEEDS  
DO NOT WRITE LETTERS ON ORDER!**

**BRUCKENTHALIA.** (bruk-en-THAL-lee-ah)

Ericaceae. One evergreen Heather-like shrub; (IV).

- spiculifolia*. BRUC-3. 40¢  
 (bruk-en-THAL-ya) Ericaceae. But one Heath-r-like sh; 10"; RG; very small bell-shaped pink sfl in racemes; (IV).

**BRUNFELSIA.** (brun-FEL-zee-uh)

(brun-FEL-zi-ah) Solanaceae. GH shrubs and trees in the N or grown out doors in the far S. Fls in dense terminal cymes; rich loose compost and liberal feeding while in growth, blooming best if pot bound; 50 degree at night.

- americana*. BRUN-1. 40¢  
 Lady-of-the-Night. 8 ft. shrub; white fls; very frag at night. 100 Seeds, \$3.50; 1,000, \$18.00.

**BUDDLEJA.** (BUD-lee-ah)

Butterfly Bush. Loganiaceae. Sow seeds over heat in the spring; hardy up into the IV zone. They are very pretty.

- asiatica*. BUDD-2. 30¢  
 Tender; grow inside from spring sown seed; white.

- Colvillei*. BUDD-5. 30¢  
 Dense spikes of purple fls; 15 ft; (V).

- Farreii*. BUDD-8. 50¢  
 Large sh; gray fol; pale mauve fls; (V).

- globosa*. BUDD-9. 30¢  
 Orange-yellow fls; striking; 15 ft; (V).

- intermedia*. BUDD-10. 30¢  
 Hybrid; violet fls in drooping panicles.

- Buddleja Blend*. BUDD-X. 25¢

**BULOPHA.**

- Zeyhene*. BULO-7. 40¢  
 Native of South Rhodesia; (IX).

**BUPHTHALUM.**

- salcicfolium*. BUPH-23. 30¢  
 Neat border plant; yellow fls; root runner; 2 ft; HP.

**Burnet, Garden.** see *Sanguisorba officinalis*.

**BRYONIA.**

- alba*. BRYO-1. 40¢

**CACTI**

This is a popular name for over 100 genera. Seeds are offered under their proper headings and we will try to list here each genus for which we have seeds.

The following list of **Cactus species** is really a rare list and not often offered; I hope to be able to enlarge htis in the near future. In soe instances, there is but a few packets to offer, so it will be well to include a few substitutes, when ordering.

**ACANTHOCEREUS.**

- acutangulus*. ACAR-2. 60¢

**BRAILOCACTUS.**

- haselbergii*. BRAZ-8. 60¢

**CEPHALOCEREUS.**

- senilis*. CEPL-52. 60¢

**CEREUS.**

- peruvianus monstruosus*. CERE-29M. 35¢

**CORYPHANTHA.**

- pseudonickelsiae*. CORAN-56. 50¢  
 —*vaupeliana*. CORAN-72. 60¢  
 —*werdermanniana*. CORAN-76. 60¢

**DOLICHOTHELE.**

- aylostera*. DOLH-3. 60¢

|                         |                |                                       |   |
|-------------------------|----------------|---------------------------------------|---|
| —Baumii.                | DOLP-6. 60¢    | —grandiflora.                         | NEOL-8. 60¢   |
| <b>ECHINOCACTUS.</b>    |                | <b>NOTOCACTUS.</b>                    |   |
| —electracanthus.        | ECHK-75. 60¢   | —mammulosus.                          | NOTO-11. 60¢  |
| —visnaga.               | ECHK-140. 60¢  |                                       |   |
| <b>ECHINOCEREUS.</b>    |                | <b>OREOCEREUS.</b>                    |   |
| —Baileyii.              | ECHU-8. 60¢    | —Celsianus.                           | OXEO-5. 30¢   |
| —Leonensis.             | ECHU-45. 60¢   | —giganteus.                           | OXEO-5G. 30¢  |
| —conglomeratus.         | ECHU-21. 60¢   | —Trollii.                             | OXEO-14. 30¢  |
| —Reichenbachii.         | ECHU-75. 50¢   |                                       |   |
| <b>ESPOSTOA.</b>        |                | <b>PILOCEREUS.</b>                    |   |
| —melanostele.           | ESPO-9. 60¢    | —cometes.                             | PILO-9 75¢  |
| <b>FRAILEA.</b>         |                | <b>REBUTIA.</b>                       |   |
| —colombiana.            | FRAI-9. 60¢    | —mimuscula.                           | REBU-14. 75¢  |
| <b>KRAINIA.</b>         |                | —pseudominusculla.                    | REBU-17. 40¢  |
| —longiflora.            | KRAI-12. 60¢   | —violaciflora.                        | REBU-24. 40¢  |
| <b>LEMAIREOCEREUS.</b>  |                | —xanthocapa. v. salmonnea.            | REBU-26S. 75¢   |
| —Beneckii.              | LEMA-5. 60¢    |                                       |   |
| <b>LEUCHTENBERGIA.</b>  |                | <b>SELENICEREUS.</b>                  |   |
| —principis.             | LEUG-3. 60¢    | —viridiflorus.                        | SELE-26. 40¢  |
| <b>LOBIVIA.</b>         |                | <b>SETICEREUS.</b>                    |   |
| —mistiensis.            | LOBI-39. 75¢   | —Humboldtii.                          | SETI-7 75¢  |
| —tiegeliana.            | LOBIL-59. 60¢  | —icosagonus.                          | SETI-9. 75¢   |
| <b>MALACOCARPUS.</b>    |                | <b>STENOCACTUS.</b>                   |   |
| —erinaceus.             | MALK-9. 35¢    | —lamellosus.                          | STEK-22. 75¢  |
| —sellowii.              | MALK-19 50¢    | —laratus.                             | STEK-24. 75¢  |
| <b>MAMMILLARIA.</b>     |                | —Ochoterenai.                         | STEK-30. 75¢  |
| —agregia.               | MAMM-5. 60¢    |                                       |   |
| —angularis.             | MAMM-10. 60¢   | <b>THELOCACTUS.</b>                   |   |
| —aureothamata.          | MAMM-20. 50¢   | —bicolor.                             | THEK-2 75¢  |
| —bella.                 | MAMM-26. 75¢   | —chiloensis.                          | THEK-5. 75¢   |
| —bicornuta.             | MAMM-27. 75¢   | —leucacanthus.                        | THEK-14. 75¢  |
| —cadereyiensis.         | MAMM-36. 75¢   | —Wagnerianus                          | THEK-33. 75¢  |
| —caput-medusae.         | MAMM-41. 75¢   |                                       |   |
| —ceniticirrha.          | MAMM-44. 75¢   | <b>STONE and other MIMICRY PLANTS</b> |   |
| —chionocephala.         | MAMM-48. 60¢   |                                       |   |
| —cirrhifera longiseta.  | MAMM-50L. 75¢  | <b>LITHOPS.</b>                       |   |
| —collinsii.             | MAMM-56. 60¢   | —Aucampiae.                           | LITH-3. 40¢   |
| —compressa.             | MAMM-57. 35¢   | —bella.                               | LITH-4. 40¢   |
| —crocidata.             | MAMM-66. 75¢   | —Bromfieldii.                         | LITH-5. 75¢   |
| —decipiens.             | MAMM-70. 75¢   | —divergens                            | ILTH-7. 75¢   |
| —Dietrichae.            | MAMM-76. 75¢   | —Dorothea.                            | LITH-7. 75¢   |
| —durispina.             | MAMM-85. 75¢   | —gracilidelineata.                    | LITH-18. 40¢  |
| —elegans.               | MAMM-92. 75¢   | —Helmutii.                            | LITH-20. 40¢  |
| —Karwinskiana.          | MAMM-145. 75¢  | —kunjaensis.                          | LITH-23. 75¢  |
| —Kewensis v. craigiana. | MAMM-147C. 75¢ | —kuibensis.                           | LITH-28. 75¢  |
| —kunihii.               | MAMM-150. 75¢  | —lineata.                             | LITH-33. 45¢  |
| —lanata.                | MAMM-152. 60¢  | —marmorata                            | LITH-34. 50¢  |
| —leona.                 | MAMM-155. 75¢  | —merrillii.                           | LITH-37. 75¢  |
| —magallanii.            | MAMM-168. 60¢  | —olivacea.                            | LITH-39. 75¢  |
| —Magnimamma.            | MAMM-169. 40¢  | —otseniana.                           | LITH-42. 75¢  |
| —Marksiana.             | MAMM-172. 60¢  | —pseudotruncatella.                   | LITH-44. 50¢  |
| —martinezii.            | MAMM-174. 65¢  | —Ruschiorum.                          | LITH-48. 40¢  |
| —morganiana.            | MAMM-201. 75¢  | —Vanzylia.                            | LITH-59. 40¢  |
| —nigra.                 | MAMM-212. 75¢  |                                       |   |
| —Parkinsonii Walthonii. | MAMM-228W. 60¢ | <b>PLEIOSPILOS.</b>                   |   |
| —pilispina.             | MAMM-240. 60¢  | —Dekenahii                            | PLEP-7. 50¢   |
| —polyhelia hexacantha.  | MAMM-244H. 40¢ | —Nelii.                               | PLEP-15. 50¢  |
| —Pottsi.                | MAMM-247. 60¢  | —optatus.                             | PLEP-19. 50¢  |
| —rhodantha v. rubra.    | MAMM-265R. 75¢ |                                       |   |
| —ritteriana.            | MAMM-266. 60¢  | <b>OTHER SUCCULENT PLANTS</b>         |   |
| —rosensis.              | MAMM-271. 75¢  | <b>ALOE.</b>                          |   |
| —sombretensis.          | MAMM-288. 60¢  | —ferox.                               | ALOE-27. 50¢  |
| —spinosissima.          | MAMM-290. 40¢  | —Fosteri, Orange.                     | ALOE-28G. 50¢   |
| —straminea.             | MAMM-291. 75¢  | —Scarlet.                             | ALOE-28S. 50¢   |
| —tiegeliana.            | MAMM-300. 60¢  | —Yellow.                              | ALOE-28Y. 50¢   |
| —vieckii.               | MAMM-308. 30¢  | —rubrolutea                           | ALOE-78. 50¢  |
| —wadermanniana.         | MAMM-404. 75¢  | —plicatilis.                          | ALOE-72. \$1.50   |
| —weberiana.             | MAMM-407. 75¢  |                                       | This is exceptionally rare in seed. In<br>20 years, it has been offered only once in<br>a German seed list. |
| —weisingeri.            | MAMM-409. 75¢  | <b>ANACAMPSEROS.</b>                  |   |
| —zenhyanthoides.        | MAMM-419. 60¢  | —filamentosa.                         | ANAR-7. 40¢   |
| <b>MELOCACTUS.</b>      | MELK-21. 60¢   | —rosulata.                            | ANAR-11. 40¢  |
| —cavacensis.            |                |                                       |   |
| <b>NEOLLOYDIA.</b>      |                | <b>FAUCARIA.</b>                      |   |
| —Beguinii.              | NEOL-3 75¢     | —acutipetala.                         | FAUC-1. 50¢   |
|                         |                | —PUYA.                                |   |

—alpesiris.  
—raimondii.  
—spatacea.

PUYA-1 60¢  
PUYA-12. 60¢  
PUYA-16. 60¢

We could have listed some 100 more species of CACTI but will have them completed for the next issue or they will be in the Magazine which is issued irregularly during the year.

### CACTUS BLEND

A mixture of all kinds of Cactus obtainable; it includes many different genera; a very unusual collection of Cactus.

PRICE: CACT-X. 40¢

### CAESALPINA.

(sez-al-PIN-ee-uh) Leguminosae. Trees and shrubs of tropical regions, very ornamental and planted in the far South; soak seeds in warm water, for 12 hours before planting; transplant at sign of first true leaf as they dislike disturbing.

—coriaria. CAES-2. 50¢  
(Libida coriaria) Divi-Divi. 30 ft; yellow fls. 100 Seeds \$3.00; 1,000, \$15.00.  
—Gilliesii: see Poinciana Gilliesii.  
—mexicana. CAES-8. 50¢  
Shrub to 18 ft; yellow fls; (X).  
—pulcherrima: see Poinciana pulcherrima.  
—spinosa. CAES-14. 50¢  
(C. tinctoria, Coueteria tinctoria, Tara spinosa) Tr or sh; yellow fls in dense racemes to 8" long; (IX). Oz. 95¢; lb. \$8.00.

### CAILLIEA.

—nyassana. CAIL-2. 30¢  
Shrub with Acacia-like lvs; SRhodesia; (IX).

### CAJANUS.

(kaj-AY-nus)  
—Cajan. CAJA-1. 30¢  
Pigeon-Pea Tropical shrub; yellow or orange fls; far South. Oz. 75¢; lb. \$5.00.

### CALANDRINA. (kal-an-DRIN-ee-ah)

Low growing fleshy plants, grown as annuals in the rockery or for edging. Flowers are orange-yellow and coppery rose to brick-red or crimson-magenta. Best in sunny spot.

—amaranth. CALD-1. 25¢  
—ciliata v. Menziesii. CALD-4. 25¢  
Rd Maids. Crimson fls; erect; HA.  
—umbellata. CALD-8. 30¢  
Scarlet fls to 6"; Peru; HA.

### CALCEOLARIA. (kal-se-oh-LAY-ri-ah)

A very large genus from C. and S. America of creepers, herbs and shrubs. All have the pouch or slipper-shape flowers, usually in yellow, often with dots and splashes of other colors. Many are GH plants nor are they hardy in the North.

—crenatifolia. CALC-4. 30¢  
Yellow with orange-brown spots; GH.  
—hybrid rugosa. CALC-4R. 50¢  
Small flowered; in best colors; pretty.  
—grandiflora tigrina. CALC-9. 50¢  
Finest strain of tigere flowers.  
—herdeohybrida. CALC-10. 50¢  
(PerfectModel) A nice form of C. crenatifolia.  
—mexicana. CALC-16. 30¢  
Annual species; small yellow slippers; 1 ft; HA.  
—Florist Small Flowered. CALC-10FX. 50¢

The best strain obtainable.

—Florist Mixed.

CALC-FX. 50¢

### CALENDULA

Compositae. Definitely cool weather flowers and in the South should be sown in the fall. They like full sun but do not take well to the burning sun of summer; in the North either start indoors or plant where they are to grow; select the right varieties for greenhouse or out door planting. 2 feet; all HA.

—Amber Glow. CALN-7A. 20¢  
Long stems; amber-yellow with dark centers making it a showy cut-flower.  
—Apricot Queen. CALN-7AQ. 20¢  
A beautiful apricot color.  
—Ball's Extra Double. CALN-7BD. 25¢  
Free flowering, bright double orange; choice GH. variety for winter growing.  
—Ball's Gold. CALN-7BG. 25¢  
Deep golden yellow; GH variety..  
—Ball's Masterpiece. CALN-7BM. 25¢  
Clea orange with dark center; GH var'y.  
—chrysanth. CALN-7C. 20¢  
Large clear buttercup-yellow.  
—Campfire. CALN-7CF. 20¢  
Large brilliant orange with lemon sheen.  
—Corniche d'Or. CALN-7CO. 20¢  
A pretty golden yellow variety.  
—Frilled Beauty. CALN-7FB. 20¢  
Double orange with frilled petals.  
—Indian Maid. CALN-7NM. 20¢  
NEW. Pale orange with distinctive maroon eye; showy.  
—Jewell. CALN-7J. 20¢  
Deep orange, full double, semi-dwarf; a fine bedder.  
—Lemon Queen. CALN-7LQ. 20¢  
Prett sulphur-yellow; flat head.  
—Le Proust. CALN-7LP. 20¢  
Nankee yellow; excellent.  
—Mammoth Orange. CALN-7MG. 20¢  
Best extra large deep orange.  
—Market Tangerine. CALN-7MT. 20¢  
Deep tangerine-orange; showy.  
—Meteor. CALN-7M. 20¢  
Double orange with yellow stripes; fine.  
—Orange King. CALN-7GK. 20¢  
Florist strain; reselected; double orange; long stiff stems.  
—Orange Fantasy. CALN-7GS. 20¢  
A crested type in orange; different.  
—Sunshine. CALN-7S. 20¢  
Golden yellow; curled petals; long stems; good for cutting.  
—Radio. CALN-7R. 20¢  
Double quilled petals; orange-scarlet.  
—Radio Golden Beam. CALN-7RG. 20¢  
Pure golden yellow; curled petals.  
—Yellow Colossal. CALN-7YC. 20¢  
Large Chrysanth type and more double.  
—Florist Varieties Mixed. CALN-7FX. 20¢  
Oz. 50¢; 4 oz. \$1.00.  
—Art Shades Mixed. CALN-7ASX. 20¢  
In light pastel shades.  
—Mixed Garden Varieties. CALN-GX. 20¢  
Oz. 40¢; 4 oz. 85¢.

CALIFORNIA POPPY: see Eschscholtzia.  
CALLA LILY: see Zantedeschia.

CALLIANDRA. (kal-lee-AND-ruh).  
Leguminosae. (Anneslia) Tropical shrubs grown in the far South or in the GH farther North.  
—surinamensis. ) CALI-7. 50¢  
Large evergreen sh or tr from Dutch Guiana, bearing powder-blue-like fls, and white stamens with brightly tinted pink tips much resembling the Mimosa tree (Albizia julibrissin); very pretty; (X).

USE SYMBOLS WHEN ORDERING SEED



They are very ornamental.

- aurea*. **CALU-1. 30¢**  
African Laburnum. 15 ft; yellow flowers.

### CALTHA. (KALTH-ah).

Ranunculaceae. Small succulent perennials thriving in marsh land near running water but they can be grown in moist sections of the garden. They are long lasting when cut.

- biflora*. **CALT-1. 30¢**  
White buttercups; RG; full sun; HP.
- leptosepala*. **CALT-4. 25¢**  
Similar to *C. bicolor*; 4"; HP.
- scaposa*. **CALT-8. 25¢**

### CALYCANTHUS.

(kal-ik-K A N T H-u-s) Calycanthaceae. Sweet Shrub. N. Am. shrubs with fragrant brownish fls; best in a rich well drained soil.

- citrinus*. **CALS-3. 30¢**
- floridus*. **CALS-4. 50¢**  
Carolina Allspice. 10 ft; fls dark reddish brown, 2" ac; (V). Oz. \$1.00; lb. \$12.00.
- linearis*. **CALS-12. 30¢**
- rugulosus*. **CALS-13. 30¢**

### CAMASSIA. (ka-MASS-ee-ah).

Liliaceae. N. Am. bulbous plants with blue and white flowers in graceful racemes and narrow grass-like foliage; very hardy; plant in groups.

- esculenta*. **CAMA-3. 25¢**  
Erect spikes of pale blue; cuts; 2 ft; HP.
- Leichtlinii*. **CAMA-6. 25¢**  
Pretty purple to creamy white; 18-24"; HP.
- Quamash*. **CAMA-7. 25¢**  
Blue fls; 18"; May; fine; HP.
- Camassia Blend. **CAMA-X. 25¢**

## CAMPANULAS

(kam-PAN-u-lah) Bell-flowers. Biennials perennials and a few annuals. They are excellent for the order and some for the RG and all make nice cut flowers. They can be started early indoors or as late as July; a covering of leaves for winter protection is good; prefers a light loamy soil. For a good book on all species order Crook's "Campanulas", \$5.00. It is good.

**MEDIUM:** Canterbury Bells. Single flowers; 3 ft; June-July; HB; (C-29).  
ers; 3 ft; June-July; HB.

- Blue*. **CAMP-1B. 20¢**
- Lilac*. **CAMP-1L. 20¢**
- Rose*. **CAMP-1Z. 20¢**
- Blend of Above*. **CAMP-1X. 20¢**  
1/4 Oz. 40¢; Oz. \$1.20; any of above.

### MEDIUM, DOUBLE:

- Rose*. **CAMP-2Z. 20¢**
- White*. **CAMP-2W. 20¢**
- Blue*. **CAMP-2B. 20¢**
- Dean's Hybrids*. **CAMP-2DX. 20¢**  
Double and single flowers.

—*Blend of Above Varieties*. **CAMP-2X. 20¢**  
1/4 Oz. 50¢; Oz. \$1.60. (Any of above.)

**CALYCANTHEMA:** Cup-and Saucer; 2 1/2 ft; HB; (C-29).

- White*. **CAMP-3W. 20¢**
- Blue*. **CAMP-3B. 20¢**
- Rose*. **CAMP-3Z. 20¢**
- Lilac*. **CAMP-3L. 20¢**

—*Double & Single Mixed*. **CAMP-3DX. 20¢**

—*Blend of Above Varieties*. **CAMP-3X. 20¢**  
....1/4 Oz. 60¢; Oz. \$1.60; (Any of above).

### CAMPANULA SPECIES:

- Aucheria*. **CAMP-14. 50¢**  
Bright lilac fls, 1 1/2" ac; non-running;

neat; early; HP.

- barbata*. **CAMP-13. 25¢**  
Distinct; pretty porcelian-blue; 12"; HP; this has a tap root.

- betulaefolia*. **CAMP-15. \$1.00**  
Rare; with the palest pink fls.

- cephalonica*. **CAMP-16. 50¢**  
Early and charming; lavender fls.

- carpatica*. **CAMP-20. 25¢**  
Blooms all summer; erect blue fls.; 12"; HP. Oz. 80¢.

- White*. **CAMP-20W. 25¢**
- turbinata*. **CAMP-20T. 25¢**  
Erect cup-like, light blue fls; neat RG; 6 inches; HP.

- cochleariifolia*. **CAMP-24. 30¢**  
(pusilla) Pretty RG plant; 2-8"; fls nodding; blue; HP.

- collina*. **CAMP-25. 25¢**  
Deep blue; neat dwarf RG; 8"; HP.

- cymbalaria*. **CAMP-27. 75¢**  
(C. Billarderi) Dainty and choice; neat; fragile blue fls.

- drabifolia*. **CAMP-29. 25¢**  
Blue with white tube; 6"; HB space ", July-Aug; showy.

- Elatinus v. gorganica*. **CAMP-30G. 30¢**  
Trailing; blue; very nice RG. species.

- gorganica*. **CAMP-30G. 50¢**  
Blue stars; 3"; requires lime; is variable but this is a good selection; HP.

- Formanekiana*. **CAMP-37. 25¢**  
Erect, large showy white fls; lvs silver gray; 8"; HP.

- fragilis*. **CAMP-38. 30¢**  
Trailer; fine for baskets; blue fls with white centers; 16"; HP; (C-44).

- gorganica*: see *Elatines*. **CAMP-42. 35¢**

- incurva*. **CAMP-42. 35¢**  
Erect pale blue fls 2" long; Greece; HB?

- latifolia*. **CAMP-51. 25¢**  
Very large blue fls; excellent; 3 ft; HP.

- alba*. **CAMP-51W. 30¢**

- macrantha*. **CAMP-51M. 30¢**  
Large deep violet fls; showy in border; 2 ft; HP.

- longetsyla*. **CAMP-57. 30¢**  
Large nodding blue-purple fls; 18"; HB.

- persicifolia*. **CAMP-71. 25¢**  
Large blue fls; very pretty; 3 ft; HP. Oz. \$1.40.

- White*. **CAMP-71W. 25¢**
- alba fl. pl.* **CAMP-71DW. 30¢**  
Double white variety. Oz. \$2.50.

- Blue fl. pl.* **CAMP-71DB. 25¢**
- Telham Beauty*. **CAMP-71T. 25¢**  
A fine variety blue. Oz. \$1.75.

- Poscharskyana*. **CAMP-78. 40¢**  
Lovely pale blue fls; 4"; HP.

- punctata*. **CAMP-86. 30¢**  
Many fls in white spotted inside; 24"; HP.

- Pvamidalis*. **CAMP-87. 25¢**  
Chimney Bellflower. Fine border; pale blue; 3 ft; HP.

- alba*. **CAMP-87W. 25¢**  
Either color Oz. \$1.30.

- Ranunculus*. **CAMP-96. 25¢**  
Lilac-blue fls in narrow racemes; 36"; HB

- rotundifolia*. **CAMP-99. 25¢**  
Harebell. Slender, graceful habit; pale blue; 18"; HP.

- superba*. **CAMP-99S. 30¢**  
A large flowered strain; 2 ft; HP.

- Olivovic*. **CAMP-99P. 25¢**  
Large beautiful deep lavender fls; 2 ft; HP.

- sarmatica*. **CAMP-103. 25¢**  
Very distinct dwarf species; violet nodding fls; 18"; HP.

- Sartori*. **CAMP-104. 25¢**  
White narrow bell-shaped fls; 10"; HP.

- Scheuchzeri*. **CAMP-109. 50¢**  
Large bell-shaped blue fls; 8".

- Speculum*: see *Specularia Speculum-Veneris*. **SPEC-3. 25¢**

|  |   |   |              |
|--|---|---|--------------|
| — <i>thyrsoides</i> .<br>Erect, very leafy; fls in spikes, yellowish;<br>2 ft; HP.   | CAMP-121. 30¢                                 | — <i>Papaya</i> .   | CARI-3. 25¢  |
| — <i>Tommasiniana</i> .<br>Nodding violet fls; stem not upright; 1<br>ft; HP.  | CAMP-122. 25¢                                 | <b>CARLINA.</b> (kar-LYE-nuh).<br>Compositae. Grown in the RG or the<br>border; native of Eu.   |              |
| — <i>Trachelium</i> .<br>Blue-purple fls, nodding, in loose race-<br>mes; 3 ft; HP.  | CAMP-124. 25¢                                 | — <i>acaulis</i> .<br>Stemless HP with solitary white fls to<br>6" across; 9".  | CARL-2. 25¢  |
| — <b>Rock Garden Species</b> .<br>Low growing types for the rockery.   | CAMP-RG. 50¢                                  | <b>CARLUDOVICA</b> .  |              |
| — <i>Campanula Blend</i> .<br>CANARY-BIRD-VINE: see <i>Tropaeolum</i> .  | CAMP-X. 25¢                                   | Cyclanthaceae. Shrubby plants with Palm-<br>like lvs; grown in GH; sow seeds in milled<br>sphagnum; clean pulp off seed.  |              |
| CANDYTUFT: see <i>Iberis</i> .   |   | — <i>palmata</i> .<br>Fan-shaped; Peru; fiber used in Panama<br>hats; popular in GH.  | CARU-7. 40¢  |
| <b>CANNA.</b> (KAN-noh).   |   | <b>CARNATIONS:</b> see <i>Dianthus caryophyllus</i> .   |              |
| Cannaceae. Tropical summer flowering<br>plants growing from thick fleshy tuber-like<br>roots; they are valued for bedding, their<br>tropical appearing foliage and brilliant flow-<br>ers making a bold display. File notch in<br>seed before planting and soak in warm water<br>24 hours; start early in the spring; 4-10 ft. |   | <b>CARTHAMUS.</b> (KAHR-tha-mus).<br>Compositae. Bastard Saffron, Safflower.<br>Spiny leaved annuals; flower heads purplish,<br>yellow or white, making ornamental clumps<br>in the border.   |              |
| <b>C. FLACCIDA:</b> The commonly grown type.   |   | — <i>tinctarius</i> .<br>Orange heads; sow in April; 3 ft; HA.  | CATH-3. 25¢  |
| — <i>Crozy</i> .<br>Dark leaved sort in vivid pink, red, yel-<br>low and orange; TP.   | CANA-1C. 20¢                                  | <b>CASSIA.</b> (KASH-ah).   |              |
| — <i>New Giant Hybrid</i> .<br>CAPSICUM. (KAP-se-kum).   | CANA-1H. 25¢                                  | Leguminosae. Senna. All are sun lovers and<br>best in a sandy loam soil; very attractive<br>with their finely cut foliage and showy flow-<br>ers. Woody species are GH plants in the<br>N and the herbaceous kinds may be grown in<br>the border. |              |
| Solanaceae. Pepper. Under this heading<br>are listed the ornamental Peppers; they make<br>excellent pot plants, and are grown for Xmas<br>plants; requires a warm temperature, sun<br>and fairly rich soil.  |   | — <i>artemisioides</i> .<br>Wormwood. Shrub with silky gray lvs;<br>sulphur-yellow fls; TA.   | CASS-2. 25¢  |
| — <i>Florida</i> .<br>Short pointed pods on compact plants.  | CAPS-1F. 25¢                                  | — <i>australis</i> .<br>Tall ornamental shrub from Aust; yellow<br>flowers in clusters; (X).  | CASS-3. 40¢  |
| — <i>Tom Thumb</i> .<br>Small plant with miniature red pods.   | CAPS-1T. 25¢                                  | — <i>bicapsularia</i> .<br>Shrubs to 10 ft; yellow fls; (IX).   | CASS-5. 25¢  |
| — <i>Miniature Mixed</i> .<br>— <i>Xmas Tree Lights</i> .<br>Hot pepper grown as a pot plant.  | CAPS-1MX. 25¢<br>CAPS-1CT. 25¢<br>CAPS-X. 20¢ | — <i>fasciculata</i> .<br>Partridge Pea. Easy; golden yellow fls<br>flaked crimson; 18"; HHA.   | CASS-11. 25¢ |
| <b>Capsicum Blend</b> .  |   | — <i>didymobotrya</i> .<br>10 ft sh grown in S. Fla; (X); E. Af.  | CASS-13. 35¢ |
| <b>CARAGANA.</b>   |   | — <i>laevigata</i> .<br>Ornamental shrub; pretty yellow fls; 6<br>ft; TP.   | CASS-18. 25¢ |
| Pea-Tree. Leguminosae. Shs and small trs;<br>Central Asia; ornamental; sunny places;<br>sandy soil; sow sp or fall; soak seeds.  |   | — <i>marilandica</i> .<br>Wild Senna. Massive racemes yellow fls;<br>July-Sept; 5 ft; HA.   | CASS-19. 25¢ |
| — <i>arborescens</i> .<br>Yellow fls; Mav-June; Siberia.   | CARA-2. 30¢                                   | — <i>moschata</i> .<br>Species from Porto Rico and not sure of<br>correct name.   | CASS-21. 20¢ |
| <b>CARDIOSPERMUM.</b>  |   | — <i>nicaraguensis</i> .<br>One of the showier trees from C. Am;<br>yellow fls; TTr; (X).   | CASS-24. 35¢ |
| (kar-ee-oh-SPERM-um) Sapindaceae. An-<br>nuals and perennials, vines hardy in the N;<br>and excellent for covering fences or trellises;<br>grows to 10 ft. The seed pods are inflated<br>like balloons; best to sow seeds where they<br>are to grow; light soil and a sheltered spot.  |   | — <i>nodosa</i> .<br>Jointwood. Tree to 50 ft; ornamental; X.   | CASS-26. 30¢ |
| — <i>Halicacabum</i> .<br>Balloon Vine. Soak seeds; they take 30<br>days to germinate.   | CARD-3. 20¢                                   | <b>CASTILLEJA.</b> (kas-til-EE-yah).  |              |
| <b>CARDUUS.</b> (KAHR-deu-us).   |   | Scrophulariaceae. Painted Cup. Rare, due<br>mainly to the difficulty in growing; do not<br>transplant easily. They are showy annuals,<br>biennials and perennials, native of the West.  |              |
| Compositae. Plumeless Thistle; Silybum.<br>Vigorous, robust spiny-leaved annuals and<br>perennials with purple tubular flowers; very<br>striking in both flowers and foliage.  |   | — <i>miniatia</i> .<br>Flower bract tipped brick-red; fls green<br>edged red; 3 ft; HP.   | CAST-19. 30¢ |
| — <i>benedictus</i> .<br>Blessed Thistle. Large yellow heads;<br>sow in April; 2 ft; HA.   | CDUS-2. 20¢                                   | <b>CASUARINA.</b> (kass-yew-uh-RYE-nuh).  |              |
| — <i>Marianus</i> .<br>Silybum Marianum. White fls; 4 ft; HA.  | CDUS-3. 25¢                                   | Casuarinaceae. Australian Hardwood tr.<br>and shrubs making nice street trees in the<br>South and doing well near salt water.   |              |
| <b>CARICA.</b> (KAY-rik-ah).   |   | — <i>torulosa</i> .<br>CASU-10. 40¢   |              |
| Caricaceae. Tropical trees with melon-<br>like fruits; grown in the far South.   |   | — <i>tenuissima</i> .<br>CASU-10T. 50¢  |              |
| — <i>cundinamarcensis</i> .<br>Collected in Columbia.  | CARI-2. 25¢                                   | USE SYMBOLS WHEN ORDERING SEED  |              |

**CATALPA.**

Bignoniaceae. Popular trs; showy in bloom; useful as ornamental trs; sow seed in spring.  
**bignonioides.** **CATL-2. 30¢**  
 To 60 ft tr; fls white, 2" ac in panicles.  
**speciosa.** **CATL-11. 25¢**  
 Western C. 100 ft; (IV). c.s. Oz. 50¢; lb. \$3.50.

**CATANANCHE.**

(kat-ah-NAN-kee) Compositae. Cupid's-Darts. Herbaceous hardy annuals and perennials with long stalked blue or yellow heads of ray and disk flowers; they are not hard to grow; HP.

**caerulea.** **CATA-1. 25¢**  
 Everlasting. Blooms first year; blue ray-fls; June-Aug; 2 ft; HP.

**CAULOPHYLLUM.**

Berberidaceae. Wild garden or border.

**thalictroides.** **CAUL-1. 50¢**  
 Blue Cohosh. Yellow-green fls; fruit ornamental; shade.

**CEANOOTHUS.** (see-ah-NOH-thus).

Rhamnaceae. Shrubs and small trees of the Pacific Coast and not hardy in the North. They have pretty small white or pink flowers in dense panicles. Best in a sunny sheltered place in well drained light soil; plants can be dug in the fall and wintered over in a frost-proof house.

**amaricanus.** **CEAN-1. 25¢**  
 N. J. Tea. White fls; 3 ft; HP. Oz. \$2.00.

**austromontanus.** **CEAN-4. 25¢**  
 Evergreen; blue fls; 8 ft; TP.

**crassifolius.** **CEAN-8. 25¢**  
 Shrub to 6 ft; white fls; very pretty lvs.;

**cvaeneus.** **CEAN-10. 25¢**  
 San Diego Lilac. Shrub; dark blue fls; May-June; showy; 10 ft.

**integerrimus.** **CEAN-21. 25¢**  
 Deer Brush. White fls; 12 ft; HHP.

**leucodermis.** **CEAN-23. 25¢**  
 Spreading Lilac. White fls; 12 ft; Calif; (IX).

**prostratus.** **CEAN-35. 40¢**  
 Mahala Mat. Prostrate evergreen; blue to white fls; G; best sown in fall; HP.

**tomentosa olivaceum.** **CEAN-47. 25¢**  
**thyrsiflora.** **CEAN-48. 25¢**

Blue Blossom. Evergreen to 8 ft; blue fls; Oregon; HP.

**verrucosus.** **CEAN-50. 25¢**  
 Low shrub covered with clouds of small flowers; S. Calif; (IX).

**CEDRONELLA.**

(sed-ro-NEL-lah)  
 One perennial shrublet; native of Canary Islands; ornamental.

**cenaenis.** **CEDR-1. 40¢**  
 Canary Balm. White or lilac fls in whorls in loose terminal spikes.

**CEDRUS.**

Cedar. Pinaceae.

**Deodara.** Himalayas. **CEDU-4. 35¢**

**libanii.** Lebanon C. Asia Minor. **CEDU-5. 35¢**

**CELOSIA**

Amaranthaceae. Cocks-comb. Popular annuals, all easily grown from seed which are best started indoors early in the spring. They grow best in a rich soil with plenty of moisture.

**CRISTATA:** The Cockcomb. They make nice pot plants and are also grown for bedding; they are very showy annuals.

**DWARF VARIETIES:** About 4-8 inches tall they are especially nice in pots or beds.

**aurea.** Deep golden combs. **CLOS-2A. 25¢**

**Empress.** Dark velvety crimson-maroon; 12"; Oz. \$1.00.

**Kardinal.** **CLOS-2K. 40¢**  
**President Thiers.** **CLOS-2T. 25¢**  
 Velvety crimson combs; green foliage; 10 inches. Oz. \$1.00.

**Rose Beauty.** **CLOS-2R. 25¢**  
 Soft rose combs; pretty in pots.

**Dwarf White.** **CLOS-2W. 25¢**  
 The best dwarf white variety.

**Dwarf Blend.** **CLOS-2DX. 25¢**

**TALL VARIETIES:** Grows 2-3 ft and nice in beds or border as well as for cut-flowers.

**Crimson.** **CLOS-3C. 20¢**  
 Bright crimson combs; 18 inches high.

**Royal Velvet.** **CLOS-3R. 20¢**  
 Rich carmine-crimson; bronze foliage with reddish margins.

**Tall Varieties Mixed.** **CLOS-3X. 25¢**

**GILBERT HYBRID COCKSCOMB:** These are especially good for cutting, beds and as dried flowers; they hold their colors very long.

**Green Gold.** **CLOS-5G. 25¢**  
 Ball-shaped heads, silvery green to a flush rose; 30".

**Harlequin.** **CLOS-5H. 25¢**  
 Pink, tipped gold, changing to salmon; fine for pots; 18".

**Maple Gold.** **CLOS-5M. 25¢**  
 Ball-shaped heads; pink tipped with gold; leaves green; 3 ft.

**Rose Beauty.** **CLOS-5R. 25¢**  
 Large bell-shaped combs; 10-15" across; rose-pink; 3-4 ft.

**Blend of Above Varieties.** **CLOS-5X. 25¢a**

**PLUMOSA:** These are the feather-type Celosias; tall feathery plumes in various colors; the plumes are very showy and are excellent for both cutting or bedding.

**Golden Plume.** **CLOS-6G. 25¢**  
 Bright golden spikes; 3 ft.

**Little Guy.** **CLOS-6LG. 30¢**  
 Showy cerise-red; 15 in; Oz. \$1.25.

**Pride of Castle Gould.** **CLOS-6P. 25¢**  
 Large fluffy scarlet-crimson plumes; 3 ft.

**Scarlet Plume.** **CLOS-6SP. 255¢**  
 Showy brilliant scarlet; fine; 3 ft.

**Tango.** **CLOS-6T. 25¢**  
 A showy terra-cotta; fine contrast for beds; 3 ft.

**Fire Plume.** **CLOS-6F. 25¢**  
 Red foliage; fire-scarlet plumes; 3 ft.

**Lilliput:** The following varieties are low dwarf types of the above.

**Firebrand.** **CLOS-6LP. 25¢**  
 Bedding or for pots; brilliant scarlet plumes; 1 ft.

**Golden.** **CLOS-6LT. 25¢**  
 Deep yellow on dwarf plants.

**Red Plume.** **CLOS-6LR. 25¢**  
 Brilliant red; 15 inch plants.

**Blend of Above.** **CLOS-6LX. 25¢**

**Thompson magnifica, Mxd.** **CLOS-6M. 25¢**  
 Large bright flashy plumes; a fine strain. 3 ft; fine color range.

**Triumph of the Exhibition.** **CLOS-6E. 25¢**  
 Another showy strain; 2½ ft.

**Fire Feather.** **CLOS-6R. 25¢**  
 Dwarf Florist's Strain. Brilliant scarlet in uniform plants, 12 inches high.

**Mixed.** **CLOS-6X. 25¢**  
 A blend of the above tall varieties.

**CHILDSII:** Chinese Woolflower ;HA.

**Childsii.** **CLOS-7X. 25¢**

**Mixed Celosia.** **CLOS-X. 20¢**  
 A mixture of all kinds of Celosias.

**USE SYMBOLS WHEN ORDERING SEED**

**CELMISIA.** (kal-MIS-ah).

Compositae. Perennials native of N. Z. and Aust. with large solitary heads of pure white ray-flowers. (V).

|   |              |
|---|--------------|
| —ceriacea v. Monroi.  | CELM-1. 50¢  |
| Striking plant with silvery fol; large white fls; 18"; HHP. |              |
| —discolor.  | CELM-2. 50¢  |
| —petiolata.   | CELM-4. 50¢  |
| —longifolia.  | CELM-5. 50¢  |
| Very hardy Mt. Daisy; white, tipped pink 6 in. tall; HP.    |              |
| —compacta v. Monroi.  | CELM-8. 50¢  |
| —spectabilis.   | CELM-9. 50¢  |
| —Traversii.   | CELM-11. 50¢ |
| —Blend of Above.  | CELM-X. 30¢  |

**CELTIS.** (CEL-tis).

Ulmaceae. Hackberry. Grown for ornament and shade; hardy in the N; lvs are Elm-like; most species deciduous trees.

|  |              |
|--|--------------|
| —laevigata.  | CELT-9. 50¢  |
| Sugar-berry. Orange-red fruits; Ind.-Texas; to 100 ft. |              |
| —mississippiensis: see laevigata.                      |              |
| —occidentalis.   | CELT-11. 50¢ |
| Orange-red fruits; Canada-Ala; to 120 ft.              |              |

**CENTAUREA**

Compositae. Herbaceous annuals and perennials all of which have value as garden plants, blooming from June till frost. Annuals are hardy; space 12" apart; (C-2)..

|   |  |
|---|--|
| BACHELOR BUTTONS:                           | Cornflower; Blue Bottle. HA; 2½ ft; fine cut flowers; C-2. |
| —Black Boy.                                 | CENT-1K. 20¢   |
| Blackish maroon double flowers.             |  |
| —Blue Boy.                                  | CENT-1B. 20¢   |
| Pretty sky-blue color; double.              |  |
| —Emperor William.                           | CENT-1E. 20¢   |
| A lovely clear light blue; one of the best. |  |
| —Maroon.                                    | CENT-1M. 20¢   |
| Large double maroon flowers.                |  |
| —Mauve.                                     | CENT-1V. 20¢   |
| —Pinkie.                                    | CENT-1P. 20¢   |
| Deep pink; excellent pink strain.           |  |
| —Red Boy.                                   | CENT-1R. 20¢   |
| Rose.                                       | CENT-1Z. 20¢   |
| —Snowman.                                   | CENT-1W. 20¢   |
| The best double white variety.              |  |
| —Blend of Above Varieties.                  | CENT-1X. 15¢   |

C. CYANUS NANA: Same as above but in low bushy plants excellent for pots or bedding.

|                                     |              |
|-------------------------------------|--------------|
| —Azure Fairy.                       | CENT-2Z. 25¢ |
| Light blue; double; 12 inches.      |              |
| —Jubilee Gem.                       | CENT-2J. 25¢ |
| Dark blue on extra nice 12" plants. |              |
| —Polar Gem.                         | CENT-2P. 25¢ |
| A pure white variety of above.      |              |
| —Lady Li-Jac.                       | CENT-2L. 25¢ |
| Lilac or Lavender color.            |              |
| —Purple Prince.                     | CENT-2R. 25¢ |
| —Blend of Above.                    | CENT-2X. 20¢ |

C. IMPERIALIS: Giant Sweet Sultan. A hybrid between C. moschata and the white variety. 4 ft; flowers soft thistle-like heads; nice border plants or for cutting; HA; C-2.

|                            |               |
|----------------------------|---------------|
| —graxioria.                | CENT-28G. 25¢ |
| Lilac flowers.             |               |
| —Rose.                     | CENT-28Z. 25¢ |
| —splendens.                | CENT-28S. 25¢ |
| —White.                    | CENT-28W. 25¢ |
| —Blend of Above Varieties. | CENT-28X. 15¢ |

C. MOSCHATA: Sweet Sultan. Fragrant white, yellow or purple solitary flowers, 2" across, beautifully soft and fluffy; fine for both border or cutting; HA; space 12" C-2.

|                   |               |
|-------------------|---------------|
| —The Bride.       | CENT-45D. 25¢ |
| Pure white; 2 ft. |               |

**—suaveolens.**

|                                 |               |
|---------------------------------|---------------|
| The yellow Sweet Sultan; 2½ ft. | CENT-45S. 25¢ |
| —Blue.                          | CENT-45B. 25¢ |
| —Pink.                          | CENT-45P. 25¢ |
| —White.                         | CENT-45W. 25¢ |
| —Blend of Above.                | CENT-45X. 15¢ |

**OTHER CENTAUREA SPECIES:**

|   |               |
|---|---------------|
| —americana, Lilac.  | CENT-7L. 25¢  |
| Basket-Flower. Thistle-like fls; 4-5" ac; HA; 2-4 ft; July-Sept; space 18"; C-8.                          |               |
| —White.   | CENT-7W. 25¢  |
| —candidissima: see C. Cineraria. For Dusty Miller see Senecio leucostachys.                               |               |
| —Cineraria.   | CENT-14. 25¢  |
| Dusty Miller. Golden yellow or purple fls; 1 ft; HP; July-Sept; treat as HHA; space 9 inches; C-8.        |               |
| —dealbata, Rose Delight.  | CENT-20Z. 25¢ |
| Mauve-pink variety; very nice; 2½ ft; HP; C-23.   |               |
| —depressa.  | CENT-21. 25¢  |
| Prostrate; blue heads, 1½" ac; lvs silvery; HP.   |               |
| —Tacea.   | CENT-32. 35¢  |
| Purple fls, 1½" ac; 2 ft; HP.   |               |
| —Fritschii.   | CENT-24. 25¢  |
| Rose heads, ½" ac; 6 ft; HP.  |               |
| —gymnocarpa.  | CENT-30. 25¢  |
| Dusty Miller. Lvs densely white, woolly; 24"; HHA: Start in March; June-Sept; space 12"; striking bedder. |               |
| —macrocephala.  | CENT-38. 25¢  |
| Enormous double golden fls; 3-4 ft; July-August; HP.  |               |
| —montana.   | CENT-44. 25¢  |
| Mountain Bluet. Brilliant blue fls, 2" ac; June-Sept; 2½ ft; HP; C-23.                                    |               |
| —uthenica.  | CENT-62. 25¢  |
| Pale yellow heads, 2" ac; border; 3 ft; HP.   |               |
| —variegata Centaurea Blend.   | CENT-X. 20¢   |
| Blend of the above species only.  |               |

**CENTAURIUM.** (sen-TAW-ree-um).

Gentianaceae. (Erythraea). Grown in the border or RG; not hardy in the N and require protection from sun and frost.

|  |             |
|--|-------------|
| —Massonii.   | CENA-4. 40¢ |
| A wee cousin of the Gentian; neat ½" tufts; pink fls; HHA. |             |
| —scilloides.   | CENA-6. 50¢ |

**CENTRANTHUS.** (sen-TRAN-thus).

Valerianaceae. Annuals and perennials doing well from seed in the open border; have dense terminal clusters; June-July; space 12".

|  |             |
|--|-------------|
| —macrasiphon.  | CENS-2. 25¢ |
| Showy rose and pink fls; 2 ft; HA; June-July; space 12". |             |

|   |             |
|---|-------------|
| —ruher.   | CENS-4. 25¢ |
| Red Valeriana, Jupiter's Beard. Fragrant crimson fls; 3 ft; HP; C-23; LK. |             |

**CENTROPOGON.** (sen-TROP-oh-gon).

Lobeliaceae. Tropical Am. shrubby plants of a somewhat climbing habit and grown in a warm greenhouse; make excellent basket plants.

|                                   |             |
|-----------------------------------|-------------|
| —vittacimorphus.                  | CROP-2. 25¢ |
| TP species collected in Columbia. |             |

**CEPHALANTHUS.** (sef-al-LAN-thus)

Rubiaceae. Button-Bush. Small trees and shrubs with showy flower heads; easily grown in moist soils

|   |             |
|---|-------------|
| —occidentalis.                              | CEPA-1. 50¢ |
| Creamy fls in long spiked heads; July-Sept. |             |

**CEPHALARIA.** (se-fah-LAY-ri-ah).

Dipsaceae. Annuals and perennials with Scabiosa-like flowers; useful as border plants

and for cutting. Colors creamy white and various yellow shades; June-Aug; ordinary soil.

—*tataria*.

Tall robust habit; sulphur-yellow fls; 5 ft; HP.

**CERASTIUM.** (se-RAS-ti-um)

Caryophyllaceae. Mouse-Ear. Excellent RG or edging plants; easily grown in ordinary soil. Usually mat-forming; lvs silvery and showy star-like flowers in May and June.

—*alpinum*.

White fls in summer; 6 inches; RG; HP.

—*lanatum*.

Fine cushion RG pl; silvery lvs; white flowers; HP.

—*Biebersteinii*

Creeping; 6"; white; May-June; HP; C-23.

—*candidissimum*.

**CERS-1L.** 30¢

—*carinthiacum*.

**CERS-10.** 50¢

—*diurnum*.

**CERS-12.** 30¢

Day-Jassamine; shrub to 15 ft; (VII).

—*glomeratum*.

**CERS-14.** 50¢

—*holosteoides*.

**CEHS-16.** 50¢

—*lanatum*.

**CERS-18.** 30¢

—*lanigerum.* (Clem)

**CERS-19.** 30¢

—*moesiacum.* (Frity)

**CERS-22.** 30¢

—*tomentosum*.

**CERS-26.** 25¢

Snow-in-Summer. Creeper; silvery fol; white fls; RG; HP.

—*uniformum*.

**CERS-28.** 30¢

White fls ½" ac; in cymes; 3 inches; HP.

**CERATOSTIGMA.** (ser-ah-toh-STIG-ma).

Plumbaginaceae. Nice border plants and shrubs blooming late into the fall; half hardy perennials with shining leaves; flowers saucer-shaped, blue and rose.

—*Griffithii*.

**CERA-1.** 30¢

Low shrubs; blue fls; India; hot dry locations; 3-4 ft; HHP.

—*Willmottianum*.

**CERA-3.** 25¢

Bright blue fls with rosy tube; July-Nov; 5 ft; HHSh.

**CERATONIA.**

Leguminosae. Ev. tr to 50 ft; fruits edible.

—*Siliqua*.

**CERQ-1.** 50¢

Carob. St. John's-Bread. Stands few degrees frost; grow as orange trees; (X).

**CERCIS.** (SER-siss)

Leguminoseae. Judas-Tree. Small trees and shrubs, noted for their early spring flowers which appear before the leaves; thrive in a fertile sandy loam; sow seeds in spring over heat.

—*canadensis*.

**CERC-1.** 40¢

Pretty tree to 40 ft; rosy pink fls before leaves in spring; (IV); **Lb. \$10.00.**

—*occidentalis*.

**CERC-4.** 40¢

Shrub to 15 ft; Calif. **Oz. 75¢; lb. \$4.00.**

**CERCOCARPUS.**

Mountain-Mahogany. Rosaceae. Trs of W. N. Am; can be planted as shrubbery; does well in dry soils.

—*ledifolius*.

**CERP-5.** 25¢

40 ft; Wash. c.s. **Oz. \$3.00.**

**CESTRUM.** (SES-trum)

Solanaceae. Warm regions; trs and shs; popular GH plants; flowering Jan-Apr.

—*auranticum*.

**CIST-1.40¢**

Semi-climbing sh; orange-yellow fls in terminal panicles; Guatemala.

**CHAENACTIS.** (kee-NAK-tis).

Compositae. Shrubs and trees from tropical regions and grown in the GH in the N.

They make attractive winter plants with their bright flowers.

—*Douglasii*.

**CHAE-1.** 25¢

Bride's Bouquet. White fls! 1-2 ft; June-July; HB.

**CHAENOMELES.**

Rosaceae. Flowering Quince. Very pretty early flowering shrubs most of which are hardy in zone IV; stratify seeds and sow in the spring.

—*japonica*.

**CHNO-1.** 30¢

Dwarf Jap. Q. 3 ft; orange-scarlet fls.

—*lagenaria*.

**CHNO-2X.** 30¢

Jap. Q. 10 ft; scarlet-red fls; China.

**CHAENOSTOMA.**

Scrophulariaceae. S. Af; tubular white, yellow or reddish fls followed by showy fruits; makes nice pot plants in GH; IX.

—*Burkeana*.

**CHAT-1.** 35¢

**CHAENORRHINUM.**

Scrophulariaceae. Genus of annuals and perennials, formerly in Lineria; native of the Medit. regions.

—*organifolium*.

**CHAR-3.** 30¢

Pale purple to white fls with yellow palate; similar to Snapdragons; 10"; HP.

**CHAMAECYPARIS.** (kam-ee-SIP-ar-iss)

Cupressaceae. False-Cypress. Large evergreen trees grown for ornament, nearly all of which are hardy in the N; grow same as Conifers.

—*obtusa aurea*.

**CHAM-5A.** 25¢

Golden yellow leaves when young. **Oz. 80¢**

**CHAMAELAUCIUM.** (kam-ee-LAU-see-um)

Geraldton Wax Plants. A delightful genus from Australia.

—*uncinatum*.

**CHAW-3.** 25¢

Lovely fol. and beautiful blooms combining to make this outstanding; want stand wet feet or over manuring; cut back hard after flowering; pink fls; excellent for cut-flowers.

**CHASMANTHE.**

Iridaceae. S. Af. natives similar to Antholyza and Gladiolus; grow same as latter.

—*aethiopica*.

**CHAS-2.** 30¢

To 4 ft; red-yellow fls to 2½" long.

**CHELIDONIUM.** (kel-id-DOH-nee-um)

Papaveraceae. Celandine. Grown in wild gardens; used as a garden herb.

—*majus*.

**CHEL-1.** 30¢

Yellow fls, ½ inch across; 4 ft; HP.

**CHAMAELAUCIUM.**

Myrtaceae. Aust. Heather-like shrubs; hardy in (IX) zone.

—*uncinatum*.

**CHAW-3.** 40¢

Flowers in corymbs.

**CHIMONANTHUS.**

—*praecox*.

**CHIM-4.** 35¢

(Chimonanthus praecox) 10 ft; fls frag;

1" ac; striped brown. **Oz. 60¢; lb. \$6.00.**

—*grandiflorus*.

**CHIM-4G.** 40¢

Same but larger in both leaves and flow-

ers. **Oz. 70¢; lb. \$7.00.**

**GIVE CATALOG NUMBER**

While every effort is made to keep the symbol numbers the same from year to year, it does become necessary to make a few changes; so it is always best to state from catalog you are ordering from.

## CHEIRANTHUS

Cruciferae. Perennials many of which rank amongst the showiest flowers. The Wallflowers belong to this genus, under C. Cheiri. There are some interesting possibilities in this genus as it hybridizes with Erysimum. The Siberian Wallflower comes under the latter genus now. Treat as HA in the N.

**CHEIRI:** Wallflower. Sow seed as early in the spring as possible that a strong, robust plant will be grown as success in growing them depends much on a strong plant; weakly grown plants are sure to die. They are cool weather plants; treat as biennials; C-15.

|  |               |
|--|---------------|
| —Cloth of Gold.                            | CHER-1C. 20¢  |
| Rich yellow; lge fl; 18"; popular.         |               |
| —Covent Garden.                            | CHER-1CG. 20¢ |
| Blood-red flowers; popular.                |               |
| —Fireball.                                 | CHER-1B. 20¢  |
| New Swiss variety; fiery red.              |               |
| —Fire King.                                | CHER-1F. 20¢  |
| Brilliant Orange.                          |               |
| —Golden Goliath.                           | CHER-1G. 20¢  |
| Dandy forcing variety; dark maroon.        |               |
| —Goliath.                                  | CHER-1L. 20¢  |
| Very beautiful single in maroon.           |               |
| —Golden Mascot.                            | CHER-1GM. 20¢ |
| Rich golden flowers.                       |               |
| —Golden Monarch.                           | CHER-1D. 20¢  |
| A rich yellow counterpart of Vulcan; 12".  |               |
| —Ivory White.                              | CHER-1E. 20¢  |
| Nearest to a pure white; 18".              |               |
| —Orange Bedder.                            | CHER-1N. 20¢  |
| Rich orange shading to apricot-yellow; 1". |               |
| —Ruby Gem.                                 | CHER-1R. 20¢  |
| Very large and fine ruby-violet; 18 in.    |               |
| —Scarlet Emperor.                          | CHER-1M. 20¢  |
| The best scarlet variety.                  |               |
| —Vulcan Improved.                          | CHER-1U. 20¢  |
| Rich velvety crimson; 1 ft; choice strain. |               |
| —Blend of Above.                           | CHER-1X. 20¢  |
| ...Dwarf Double Mixed.                     | CHER-1DX. 20¢ |
| —Earliest Paris Mixed.                     | CHER-2PX. 25¢ |
| Treat these as annuals; very early type.   |               |
| —Golden.                                   | CHER-2PG. 25¢ |
| Earliest Paris yellow.                     |               |
| —Early Wonder.                             | CHER-2W. 25¢  |
| —Golden Standard.                          | CHER-2GS. 25¢ |
| An Early Wonder type in yellow.            |               |
| —Early Wonder Mixed.                       | CHER-2WX. 25¢ |
| —Tall Double Mixed.                        | CHER-1TX. 20¢ |
| Oz. 50¢; lb. \$2.75.                       |               |
| —Berlin Fireball.                          | CHER-1BF. 25¢ |
| —Early Forcing Mixed.                      | CHER-2F. 25¢  |
| Single annuals.                            |               |

**ANNUAL WALLFLOWERS:** This strain will flower the first season if started indoors.

—Golden.

CHER-2G. 25¢

### CHEIRANTHUS SPECIES:

|   |             |
|---|-------------|
| —alpinus.   | CHER-1. 40¢ |
| Lemon-yellow fls; Norway; 1 ft; HP.                       |             |
| —kewensis.  | CHER-3. 25¢ |
| Bushy perennial; fls 1" ac; upright racemes; orange; HHP. |             |
| —linifolius: see <i>Erysimum linifolium</i> .             |             |

### CHEMOPODIUM.

Chenopodiaceae. Few species grown as garden herbs or ornamental plants; easy.

—*Eotrvs.*

CHEN-6. 30¢

Feather Geranium, Jerusalem-Oak. HA; 2 ft.

—*Bonus-Henricus.*

CHEN-10. 30¢

Good-King-Henry, Mercury. Grown as a garden or pot herb; see Herb List.

### CHILOPSIS.

Bignoniaceae. 20 ft. sh or sm tr; dry regions; Texas.

—*linearis.*

CHIP-1. 40¢

Desert or Flowering Willow. Trumpet-

shaped fls; lilac.

### CHIMONANTHUS.

Calycanthaceae. Two shs from China; sow in the spring; (V).

### CHIONANTHUS.

Fringe-Trre. Oleaceae. Two trs or shs; hardy in N with protection; sow in fall or sp; stratify for spring planting.

—*virginica.*

30 ft; May-June; (V).

CHIN-3. 40¢

### CHIONODOXA.

Glory-of-the-Snow. Lilaceae. Early flowering bulbous plants; sun; bybulbs are listed in Fall Bulb List.

—*Luciliac v. roseum.*

CHID-5R. 40¢

Pink fls; 8".

### CHIRITA. (ky-RIT-ah).

Gesneriaceae. Tropical succulent-like with showy flowers; treat same as Gesnerias.

—*lavandulacea.*

CHIR-3. 50¢

Attractive greenhouse plant; (X).

—*species.*

CHIR-X. 30¢

### CHIRONIA. (ky-RON-ne-ah).

Gentianaceae. African plants with pink and purple flowers in cymes, hardy up into the VI Zone.

—*transvalensis.*

CHIO-3. 40¢

Bright pink fls on slender stems; marshy ground; 2½ ft; TA.

### CHORISIA.

Bombacaceae. Native Calif. and Chile; for dr places; IX.

—*speciosa.*

CHOR-8. 40¢

### CHRYSANTHEMUM

Compositae. A large genus of annuals and perennials of which there is a very large number of pretty flowers. They can be divided into 5 or 6 classes as listed below.

**C. CARINATUM:** Painted Daisy. Very popular hardy annuals; plant 2 ft tall; well branched, flowers 3 inches across and all with a dark eye, surrounded by a narrow yellow ring then a slightly larger scarlet ring followed by a dominant color for the variety; space 12 inches apart; June-Sept; best in sunny locations and excellent for mass effect or for cutting; C-7.

—*atrococcineum.*

CHRY-1A. 20¢

The Sultan. Dark purple.

—*Burridgeanum.*

CHRY-1B. 20¢

Pure white petals zoned brownish red.

—*Hybrid, Double Fringed.*

CHRY-1H. 20¢

New English strain of double flowers.

—*chameleon.*

CHRY-1C. 20¢

Golden chamois, scarlet and yellow zone.

—*Cockade.*

CHRY-1K. 20¢

White and crimson with yellow ring.

—*Dunnett's Double Hybrids.*

CHRY-1D. 20¢

Double flowered type in various colors.

—*Scarlet.*

CHRY-1DS. 20¢

—*White.*

CHRY-1DW. 20¢

—*Eclipse.*

CHRY-1E. 20¢

Shading light yellow to apricot, garnet band; yellow zone.

—*leuteum.*

CHRY-1L. 20¢

White with dark eye; popular.

—*W. E. Gladstone.*

CHRY-1G. 20¢

Large purple red flowers.

—*White Queen.*

CHRY-1Q. 20¢

Pure white with pale yellow zone; 18".

—*Single Mixed.*

CHRY-1SX. 20¢

—*Blend of Varieties.*

CHRY-1X. 15¢

Oz. 50¢; lb. \$3.00; any of above.

**C. CORONARIUM:** The tallest of the hardy annuals and if planted in very rich soil, may need staking. Sow seed as early as possible, usually where plants are to grow, thin to 12 inches apart; plants 2-3 ft; July-Oct; C-7.

—**Golden Glory.**

A new English single; deep yellow, central disk same; 3 ft.

—**Golden Gem.**

Dwarf double; try in pots; 1 ft; pretty.

—**Golden Crown.**

Silvery green fol; butter-yellow fls; 2½ ft.

—**Double Yellow**

CHRY-2Y. 25¢

—**White.**

CHRY-2W. 25¢

—**Sulphur-Yellow.**

CHRY-2S. 20¢

—**Above Varieties Mixed.**

CHRY-2X. 20¢

Any fo above varieties: Oz. 40¢; lb. \$2.00.

**C. SEGATUM:** Plant habit similiar to *C. carinatum*; 2 ft tall; flowers are 3" across with dark or light eye surrounded by an inconspicuous pale yellow disk, then the dominant color for the variety; all HA; best to sow seeds direct to garden and as early as possible in the spring; thin to 12 inches C-7.

—**Eastern Star.**

CHRY-3S. 20¢

Bright yellow with dark eye; 1 ft.

—**Eldorado.**

CHRY-3E. 20¢

Deep yellow with black center; pretty.

—**Golden Glow.**

CHRY-3L. 20¢

A new double golden yellow. Oz. \$1.50.

—**Gloria.**

CHRY-3G. 20¢

Double yellow flowers.

—**Helios.**

CHRY-3H. 20¢

Evening Star. Deep golden yellow.

—**Morning Star.**

CHRY-3M. 20¢

Large yellow with black center; 1½ ft.

—**Yellowstone.**

CHRY-3Y. 20¢

A beautiful new double yellow; Oz. \$1.50.

—**Zebra.**

CHRY-3Z. 20¢

Flowers striped and blotched yellow and brown. Oz. 80¢.

—**Blend of Above Varieties.** CHRY-3X. 20¢

**C. INDICUM:** Perennials; 2-3 ft. tall with soft foliage and much branched; they are very showy in masses, blooming in five months from seed. Flowers are in heads, very numerous and ½-1 inch across; plant either early or in mid-summer for the following summer; C-22.

—**Double Special Blend.** CHRY-4DX. 25¢

—**Saier's Early Strain.** CHRY-4SX. 25¢

A very choice single strain in bright colors.

**C. COCCINEUM:** Pyrethrum. Fine cut-flowers, especially liked by the florists; flowers are daisy-like. If kept cut will flower into the autumn; flowers 2nd year from seed; space 12 inches HP.

—**aureum, Gold Feather.** CHRY-5AF. 25¢

—**Golden Moss.** CHRY-5AM. 25¢

Very dwarf

—**Dark Carmine.** CHRY-5BC. 25¢

—**Golden Gem.** CHRY-5AG. 25¢

—**Giant White.** CHRY-5W. 25¢

—**Rose.** CHRY-5Z. 25¢

—**Pink.** CHRY-5P. 25¢

All the above are Pyrethrums: C-8.

—**Langport Scarlet.** CHRY-5L. 25¢

—**roseum.** CHRY-5R. 25¢

Single and doubles; extra fine strain.

—**ROBINSON'S GIANTS.** CHRY-5B. 30¢

An extra large strain for cut-flowers.

Oz. \$3.00; lb. \$26.00.

—**Market Strain.** CHRY-5M. 25¢

Double strain for commercial growing.

—**selaginoides.** CHRY-37S. 25¢

Fern-like golden yellow leaves.

—**Prize Doubles.** CHRY-5DX. 25¢

—**Single Blend.** CHRY-5SX. 25¢

**C. MAXIMUM:** Shasta Daisy. Has larger flowers than *C. Leucanthemum*. In the newer varieties, the flowers are as large as 4 inches across, some double and fringed. They make the best of cut-flowers and where choice flowers are wanted, the flowering stems should be thinned. Rich soil and full sun; HP; C-23.

—**Alaska.**

CHRY-6A. 20¢

—**Chigwell Giant.** CHRY-6C. 25¢

Giant pure white; fine form.

—**Conqueror.** CHRY-6Q. 20¢

Stems 2½ ft long; large pure white.

—**Diener's Double White.** CHRY-6DW. 25¢

—**Exhibition.**

CHRY-6E. 25¢

—**Fringed Beauty.**

CHRY-6F. 25¢

Fringed and curled petals.

—**May Queen.**

CHRP-6M. 25¢

Medium sized, good for massing in the garden or border.

—**Mont Blanc.** CHRY-6MB. 20¢

Extremely large white flowers.

—**Polar Sea.** CHRY-6P. 20¢

**SAIER'S EARLY** CHRY-6S. 30¢

An extremely early Shasta Daisy of very nice form and on long stiff stems; it is especially good for early Shastas for the spring cut-flower market. Oz. 90¢; lb. \$9.00.

—**The Speaker.**

CHRY-6T. 20¢

—**White Dame.**

CHRY-6W. 20¢

—**Shasta Blend.**

CHRY-6X. 20¢

**C. INODORUM:** see *Matricaria inodora*.

**OTHER CHRYSANTHEMUM SPECIES:**

—**arcticum.**

CHRY-4. 40¢

Aster-like fls; white to lilac; Arctic regions; 6 inches; HP.

—**cinerariaefolium.**

CHRY-14. 25¢

Dalmatian Chrysanthemum; 2 ft; HP.

—**corymbosum.**

CHRY-19. 25¢

(Pyrethrum) White fls; border; 2-4 ft; HP.

—**densum.**

CHRY-20. 50¢

Korean Hybrids. CHRY-22K. 25¢

Saved from the best varieties; C-9.

—**Arctic Hybrids.**

CHRY-22A. 25¢

Arctic Daisies. Single; very hardy; HP.

—**japonicola "Cascade".**

CHRY-27C. 40¢

A lovely variety of hanging Japanese C.; they are very nice; C-22.

—**macrophyllum.**

CHRY-28. 30¢

Tansy C. Small white or yellow rays; 2½ ft; HP.

—**Mawii.**

CHRY-29. 30¢

White ray fls, rose on back; 1 ft; for a sheltered sunny place; HHP; C-23.

—**Nivellei.**

CHRY-35. 30¢

Erect HA; 1 ft; rays white; free flowering; July-Sept; space 12 inches apart.

—**Parthenium.**

CHRY-37. 25¢

Feverfew. Bushy 2-3 ft. plants; foliage crisped; border; HP.

**CHRYSOPSIS.** (kris-OP-sis).

Compositae. Golden Aster. Daisy-like yellow heads of ray or disk flowers on 1-3 foot plants, thriving in a dry sunny part of the border; HP.

—**amplifolia.**

CHSO-1. 50¢

Grows to 20 inches; Colo; HP.

—**marianna.**

CHSO-8. 30¢

Flower heads 1" ac in panicle corymbs; 2½ ft; (IV).

—**villosa.**

CHSO-10. 25¢

Golden Aster. Heads 2 inches ac; golden yellow; 1 ft; HP.

Many New Zealand and Australian native seeds have been added in this issue.

**CHRYSOTHAMNUS.** (chiss-oh-THAM-nus)

Compositae. Low shrubs of W. N. Am. growing in dry locations; flowers in heads of yellow disk.

—*gravelens.***CHRH-1. 35¢**

Grayish bush; short spikes; 5 ft; HSh (II).

**CINCHONA.**

Rubiaceae. Peruvian Bark Tree. Sh and trs of the Andes; quinine tree can be grown in the GH; IX.

—*succirubra.***CINC13. 40¢**

Tall tr; rose fls; Ecuador.

**CINERARIA.** (sin-ee-RARE-ee-ah)

Compositae. Botanically Senecio Cruentus. Listed here are only the greenhouse type grown as pot plants. Sow from April to September, May and June being the main months; (C-8).

—*Cremer's Prize Strain.***CIN-1. 50¢**

Plants 20 inches tall; large flowers; this is a choice strain for pot plants.

—*multiflora nana.***CIN-2. 50¢**

Dwarf compact plants; large flowers; an excellent strain of colors.

—*Berlin Market.***CIN-2B. 50¢**

Plants 15 inches tall; brilliant strain; in large flowers.

—*Sister's Rainbow Strain.***CIN-4. 50¢**

Compact plants; brilliant color range in large flowers.

—*Prize Exhibition.***CIN-5. 50¢**

Extra good Holland strain; large flowers.

—*Blend.***CIN-X. 50¢**

A blend of the above strains

**CIRSIUM.** (SUR-si-um).

Compositae. Plumed Thistle. Rank growing prickly plants with purple, yellow and white flowers in heads; easily grown; for bold effect in the wild garden.

—*occidentale.***CIRS-13. 30¢**

Silvery fol; scarlet fls; pretty; 2 ft; HB.

—*candidissima.***CIRS-13C. 30¢**

White tomentosa foliage; 2-4 ft; HB.

**CISTUS.** (SISS-tus).

Cistaceae. Rock Rose. Not hardy in the far N; best in full sun, dry light soil with lime present; the flowers are much like miniature Roses; can be started in pots, do not prune much.

—*ladaniferus.***CIST-10. 30¢**

Gum C. Pretty shrub with white flowers spotted purple; 3 ft; HHSh.

—*purpurea.***CIST-17. 30¢**

Purple fls, yellow at base, 3" ac; hybrid; (VIII).

**CITRUS.** (CIT-rus)

Rutaceae. Various citrus trees and shrubs

—*Citrus mitis.***CITR-1. 25¢**

Hardiest of the acid species in the U. S.; fr resembles Tangerines; very ornamental; best of ade-making fr; can be grown in the orange growing sections.

**CLADRATIS.**

Yellow-Wood. Leguminosea. Trs native of N. Am. and E. Asia; fls in panicled racemes; ornamental.

—*lutea.***CLAD-2. 30¢**

Fragrant fls, 1" long; June; (V).

**CLARKIA.** (KLARK-ee-ah).

Onagraceae. Annuals easily grown in a sunny place, light soil. They make pretty border plants, 2-3 ft. high, in upright bush form, blooming in July-August; space 1 ft;

apart; HA. ,

**C. ELEGANS:** The commonly grown species; comes in many colors and both single and double flowers; 2 ft; HA; best started in April; space 12 inches; July-Sept; C-2.

—*Brilliant.***CLAR-1B. 20¢**

Double; brilliant orange.

—*Enchantress.***CLAR-1E. 20¢**

Double; salmon-pink; large and pretty.

—*Firebrand.***CLAR-1F. 20¢**

Brilliant copper-scarlet.

—*Gloriosa.***CLAR-1G. 20¢**

Distinct break in color; bright crimson.

—*May Blossom.***CLAR-1M. 20¢**

Pure glowing orange; double.

—*Illumination.***CLAR-1L. 20¢**

Orange mingled with rose; outstanding.

—*Orange King.***CLAR-1K. 20¢**

Bright orange-scarlet; best orange.

—*Purple Prince.***CLAR-1P. 20¢**

Very double in rich purple.

—*Salmon Queen.***CLAR-1S. 20¢**

Best double salmon-rose.

—*White Prince.***CLAR-1W. 20¢**

Best double pure white.

—*Novelty Blend.***CLAR-1X. 20¢**

**C. PULCELLA:** Grows 18 inches high and comes in many different colors; fine for the border; HA; July-Sept; C-2.

—*alba.***CLAR-4W. 20¢**

Single Mixed.

**CLAR-4SX. 20¢**

Double Mixed.

**CLAR-4DX. 20¢**

Double and Single Mixed.

**CLAR-4X. 20¢****CLEMATIS**

Ranunculaceae. Virgin's Bower. Woody climbing plants thriving in a rich loamy soil on the alkaline side; mulch soil at base of the plants.

—*alpina.***CLEM-5. 30¢**

Blue-violet fls, 1/2" long; climber to 6 ft.

—*chrysocoma v. serica.***CLEM-24S. 50¢**

(C. Spooneri) 20 ft climber; white or pink flowers 3 1/2 inches across.

—*columbianum.***CLEM-27. 30¢**

Blue or purple flowers; 10 ft; June.

—*crispia.***CLEM-29. 25¢**

Bluish purple, nodding; fragrant; June-Sept; 10 ft; Texas.

—*Douglasii.***CLEM-34. 50¢**

(C. hirsutissima) Erect; 2 ft; flowers tubular, purple inside.

—*koreana.***CLEM-70. 50¢**

Prostrate climber; yellow or violet fls.

—*lathyrifolia.***CLEM-77. 30¢**—*ligusticifolia.***CLEM-80. 30¢**

Vigorous climber; inch wide panicles of white flowers.

—*montana.***CLEM-86. 30¢**

25 ft. climber; white fls turning pink, yellow stamens; fragrant.

—*paniculata:* see **C. diacoreifolia v. robusta.**—*Pitcheri.***CLEM-92. 30¢**

Urn-shape flowers; purple; 1 inch long.

—*pubescens.***CLEM-95. 35¢**W. Australian species; moisture loving; cream fls; similiar to *C. aristata*.—*recta.***CLEM-98. 30¢**

An erect plant to 5 ft; white flowers, 1 inch across; fragrant.

—*mandschurica.***CLEM-98M. 50¢**

Erect; 5 ft; white flowers 1 inch across; panicles are longer in the variety.

—*Scottii.***CLEM-103. 30¢**

Erect; urn-shaped purplish brown flowers; May-June; Wyoming.

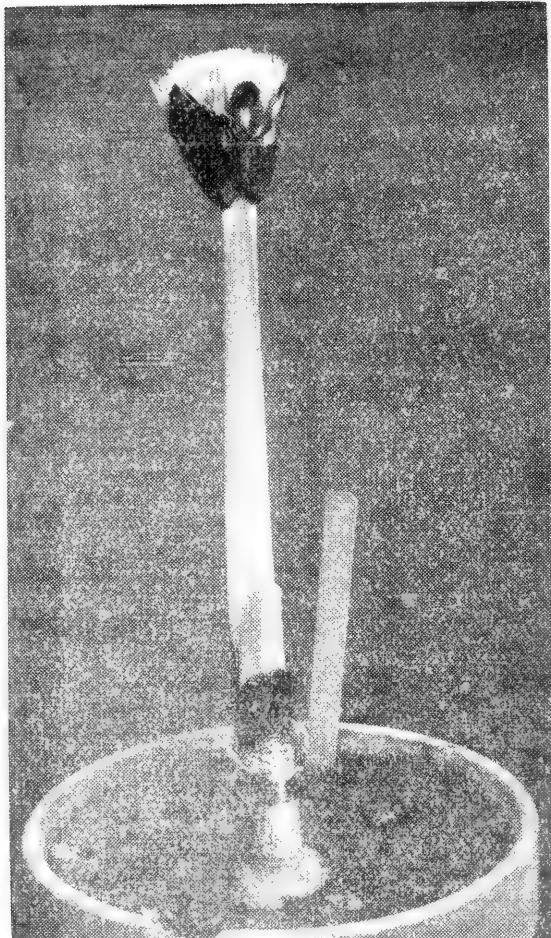
—*serratifolia.***CLEM-104. 30¢**

Climber to 10 ft; yellow flowers with purple stamens; Aug-Sept; Korea.

—*Spooneri:* see **C. chrysocoma v. serica.**—*Thunbergii.***CLEM-112. 30¢**

Climber; flowers 2 inches ac; panicles; Rhodesia.

|   |                      |   |
|---|----------------------|---|
| <b>Vitalba.</b>   | <b>CLEM-122. 35¢</b> | <b>COCCOLIBIS.</b>  |
| Traveler's Joy. Cl to 30 ft; greenish white flowers; July-Sept.   |                      | Snail-Seed. Menispermaceae. Erect or twining shs; some hardy in N.  |
| <b>Viticella.</b>   | <b>CLEM-123. 50¢</b> | <b>—uvifera.</b>  |
| Climber to 12 ft; blue flowers with yellow stamens 2 inches across.   |                      | <b>COCL-6. 40¢</b>  |
| <b>Clematis Mixture.</b>  | <b>CLEM-X. 25¢</b>   |   |
| <b>CLEMATOPSIS.</b> (klem-ah-TOP-siss).   |                      | <b>COCKLOSPERUM.</b>  |
| Seeds offered come for South Rhodesia; the plants drough-resistant; full sun.   |                      | Cocklospermaceae. Trop. trs and shs; fls in panicles or racemes; X.   |
| <b>Stanleyii.</b>   | <b>CLTP-1. 40¢</b>   | <b>—gossypinum.</b>   |
| Shock-Headed-Peter. Drooping white anemone-like flowers; 4-5 ft.  |                      | <b>COCH-4. 50¢</b>  |
| <b>CLEOME.</b> (klee-OH-mee).   |                      | <b>COCHLEARIA.</b>  |
| Capparidaceae. Spike Flower. Easily grown from seed in May; germinates quickly; thin plants to 18-24 inches. They are 4-5 ft. high and make showy plants in the border, flowering from June till frost; HHA; (C-7). |                      | Cruciferia. Scurvey Grass. Grown as a salad plant; grow as HA; ready in 60-80 days; cool partly shaded places.  |
| <b>C. SPINOSA:</b> (C. gigantea and pungens) Spider Flower. HHA; July-Sept; 3-4 ft; space 18" apart; C-7.   |                      | <b>—officinalis.</b>  |
| <b>lutea.</b>   | <b>CLEO-3. 25¢</b>   | <b>COCR-1. 25¢</b>  |
| Golden yellow species; 3 ft; Colo.  |                      | Used as salad for its medicinal properties; HP grown as an HA.  |
| <b>Pink Queen.</b>  | <b>CLEO-5P. 20¢</b>  |   |
| Clear soft pink turning to apple-blossom.   |                      | <b>COBAA.</b>   |
| <b>Mrs. Colen Campbell.</b>   | <b>CLEO-5C. 25¢</b>  | Polemoniaceae. Climbing shs; bell-shaped violet fls; popular GH vine in N; X.   |
| A NEW pure white just introduced; fine.   |                      | <b>—scandens.</b>   |
| <b>Mixed.</b>   | <b>CLEO-X. 20¢</b>   | <b>COBA-2. 30¢</b>  |
| <b>CLERODENDRUM.</b> (klee-row-DEND-rum).   |                      | Climber to 25 ft; violet or greenish purple fls 2' long; Mexico.  |
| <b>Colebrookianum.</b>  | <b>CLER-2. 40¢</b>   | <b>—alba.</b>   |
| Sh 8 ft; rose-purple to white; India; (X).  |                      | <b>COBA-2A. 30¢</b>   |
| <b>japonicum.</b>   | <b>CLER-9. 40¢</b>   |   |
| (C. squatum). Sh to 10 ft; bright scarlet fls in panicles; China.   |                      | <b>COCOS.</b>   |
| <b>mycrocodes.</b>  | <b>CLER-12. 40¢</b>  | Palmaceae. CoCount.   |
| Butter-fly Bush. Lovely blue fls; sun; E. Af; (X).  |                      | <b>—campestris.</b>   |
| <b>CLETHRA.</b> ....(KLETH-ruh)   |                      | <b>COCO-1. 50¢</b>  |
| White Ader. Clethraceae... Shrubs and small trees; start seeds indoors in the spring; most are hardy in the IV zone.  |                      | <b>CODONOPSIS.</b> (koh-doh-NOP-siss).  |
| <b>alnifolia.</b>   | <b>CLET-3. 30¢</b>   | Campanulaceae. Perennials with shades of blue and yellow flowers with darker veins and blotches; a few are climbers; they require winter protection in the North. |
| Sweet Pepper Bush; Summer Sweet. 10 ft; Me-Fla; fls in racemes; (IV).   |                      | <b>—assuriensis.</b>  |
| <b>CLITORIA.</b> (kly-TOR-ee-ah).   |                      | <b>COD-1. 30¢</b>   |
| Leguminosae. Butterfly Pea. Twining vines hardy into the VIII Zone.   |                      | <b>—clematidea.</b>   |
| <b>ternata.</b>   | <b>CLIT-4. 35¢</b>   | Bell-shaped fls with white or yellow centers; 1 ft; HP.   |
| Twiner; double blue fls; showy; (VIII)  |                      | <b>—ovata.</b>  |
| <b>CLIANTHUS.</b>   |                      | Semi climber; soft blue bells; June; cool soil; sun.  |
| Leguminosae. Part trailing shs; GH; IX.   |                      | <b>—viridiflora.</b>  |
| <b>puniceus.</b>  | <b>CLIA-3. 30¢</b>   | Climber; yellowish green fls with purple dot at base.   |
| Parrot's-Beak. Crimson fls, 3" long; 6 ft; New Zealand.   |                      | <b>COELOGYNE.</b> (see-LOJ-in-ee)   |
| <b>—alba.</b>   | <b>CLIA-3A. 35¢</b>  | Orchidaceae. Tropical epiphytic orchids with long racemes of white or greenish yellow flowers.  |
| White flowered variety.   |                      | <b>—barbata.</b>  |
| <b>CLINTONIA.</b> (clin-TON-ee-ah)  |                      | <b>COEL-2. 50¢</b>  |
| Lilaceae. Woody plants for moist places; showy in colonies; spreads by underground rhizomes.  |                      | White with brown lip, fringed with brown; Oct-Feb.  |
| <b>borealis.</b>  | <b>CLIN-2. 50¢</b>   | <b>—cristata.</b>   |
| Greenish yellow nodding fls; 1½ ft; blue branches; Calif.   |                      | Showy white, drooping racemes; Feb-April; (X).  |
| <b>CNEORIDIUM.</b>  |                      | <b>COIX.</b> (KOH-ix)   |
| Rutaceae. Evergreen shrubs native to S. California.   |                      | Gramineae. Grasses with broad leaves and bead-like seeds; space 12" apart; can be started indoors in March.   |
| <b>dumosum.</b>   | <b>CNEO-1. 25¢</b>   | <b>—Lacryma-Jobi.</b>   |
| White fls followed by brown fr; 2-4 sh; S. Calif.   |                      | Job's Tears. A TP but best grown in the N as an annual; 12"; germination period variable. Plant first of May in (V) zone. Oz. 50¢; lb \$3.75.                     |
| <b>COLEUS.</b>  |                      | <b>COIX-1. 25¢</b>  |
| Laiatae. Showy plants with brilliantly colored leaves. Sow seeds in pans and keep warm. (C-22).   |                      | Job's Tears. A TP but best grown in the N as an annual; 12"; germination period variable. Plant first of May in (V) zone. Oz. 50¢; lb \$3.75.                     |
| <b>Brocade Strain.</b>  |                      | <b>COLE-1. 30¢</b>  |
| A large leaf strain in rich velvety colors.   |                      |   |
| <b>Fringed Leaf Mixed.</b>  |                      | <b>COLE-2. 30¢</b>  |



**Haemanthus nutalense** — J. C. Bacher, Ore.

- Glory of Vichy. COLE-4. 30¢
- Pride of Monfierland. COLE-6. 30¢  
A new strain for the GH; bright colors.
- Pyrenean Giants. COLE-7. 30¢  
Large robust plants excellent bedder.
- Super Colosal. COLE-8. 50¢
- Striped Excel. COLE-9. 30¢  
Striped green, yellow and brown leaves.
- Monarch Strain. COLE-10. 50¢
- carnosum. COLE-26. 50¢
- Rainbow Blend. COLE-X. 25¢

**COLLINSIA.** (ko-LIN-see-ah)

Scrophulariaceae. Hardy annuals, showy and free-flowering; easy; much used for RG and edging; stands part shade. They prefer a dry location.

- heterophylla. COLL-3. 25¢  
(C. bicolor) Rose, white, lilac and blue fls; June-Aug; 15 in; space 8".
- candidissima. COLL-3C. 25¢  
An all white variety.

**COLVILLEA.**

Leguminosae. One African tree with very showy bloom; (IX).

- racemosa. COLV-1. 40¢  
African trailer for far S; showy flowers, scarlet with yellow stamens in dense drooping racemes 18" long. 100 sds \$3.00.

**CONVOLVULUS.** (kon-VOLV-yew-lus)

Convolvulaceae. Bind-weed. Flowers are similar to the Morning Glory; much used as vines for covering unsightly places. The "Wild Morning Glory" a bad weed is *C. arvensis*. (C-1).

- Crimson Rambler. CONV-1. 20¢  
Climber to 10 ft; crimson fls; HHA.
- tricolor. CONV-22. 25¢  
Deep blue, yellow and white fls; HA.
- Cambridge Blue. CONV-22C. 25¢  
A clear azure-blue variety; 1 ft; pretty.
- Minor, Dwarf Mixed. CONV-22MX. 20¢  
Bush type Morning Glories; nice in beds.
- Lavender Rosette. CONV-22L. 25¢  
Deep lavender variety; nice form.
- Royal Ensign. CONV-22R. 25¢  
Deepest blue; ideal bedder or edger; 12".
- Randii. CONV-17. 25¢  
Dainty species; 12"; pure white; sun; lvs silvery.
- Convolvulus Mixed. CONV-X. 20¢

**COOPERIA.** (koo-PEER-ee-ah)

Amaryllidaceae. Rain-Lily. Bulbous night blooming plants with basal grass-like leaves. The flowers are fragrant and white; not hardy in the North but can be carried over in dry soil in frost proof room.

- pedunculata. COOP-3. 40¢  
Tender bulb; white fls tinged red; Texas.

**COPROSMA.**

Rubiaceae. Shs and small trs; Aust; ornamental; showy foliage and fruit; (X).

- propinqua. COPR-16. 50¢

**CORDIA.** (KOR-dee-ah).

Boraginaceae. Tropical trees and shrubs grown in the GH in the North or out side in the South.

- Boissieri. COR-2. 30¢  
Wild Olive. To 25 ft; Texas; (IX).

**CORDYLINE.** (kor-dee-LYE-nee).

Lilaceae. Warm climate trees and shrubs with stiff narrow leaves, many having pretty striped and colored leaves; grown in the greenhouse in the North but are hardy in the South.

- australis. CORD-2. 25¢  
Known as the Cabbage Tree. Striking tree of tropical appearance with bushy heads of grass-like lvs; fls white, sweet scented, in large panicles; 20 ft; IV.

- Banksii. CORD-4. 50¢  
Leaves longer than *C. australis*; open and drooping, bronzy; fls white, sweet scented, in large panicles; graceful shrub; ideal for riverside; 8 ft; (V).

- indivisa. CORD-12. 30¢  
Mountain Palm. Best of the species; fine bold, slightly bronzy foliage up to 4 ft long and 6" wide in a dense head; moist places; (V); 10 ft.

- purpurea. CORD-18. 30¢  
Very attractive species having distinctive coppery foliage; (VI).

A great many of the rarer kinds of flower, shrub and tree seeds come to us at all times of the year and it is not uncommon to have to back-order many items. Many kinds, also, should be freshly harvested and thus orders are held. It also happens that seed fails and as it has to be cataloged before hand, unintentional shortages occur usually these are held till seed does come in. These seeds are not like Zinnias or Marigolds, and grown by the tons.

**COPROSMA.**

Rubiaceae. A very variable genus from N. Z. and nearby countries; many are exceptionally handsome in fruit, displaying tightly clustered masses of bright berries. Probably all are not hardy above zone (IX).

- Baueri.** COPR-4. 50¢ Compact growing sh; dark green lvs;
- grandiflora.** COPR-16. 50¢ Distinct; membranous evergreen; white fls; reddish orange berries; 15 ft; (X).
- robusta.** COPR-26. 50¢ Dark glossy green lvs; white fls followed by yellowish to reddish orange berries; 10 ft; (IX); N. Z.

(See also on Page 32).



**CALLIOPSIS — Golden Crown**

**COREOPSIS**

Compositae. Annual and perennial plants with yellow brown or rose fls, blooming in summer and fall; makes ideal cut-flowers as well as display in the border. The annuals of this genus, see Calliopsis; C-23.

**C. LANCEOLATA:** Perennials to 3 ft; hardy and grown for cut-flowers or in the border; C-23.

—**New Gold.** CORE-12N. 20¢ 100% double, rich golden yellow fls; 18"; nice for cutting.

—**Double Sunburst.** CORE-12S. 20¢ Flowers 1½-2 in. across; golden yellow; comes 80% double.

**COREOPSIS SPECIES:**

- grandiflora.** CORE-11 25¢ Yellow rays; 2½" ac; HP.
- insecta.** CORE-10. 25¢ 4-5" golden yellow fls; 3 ft; S. Rhodesia.
- maritima.** CORE-17. 25¢ Sea-Dahlia. 3 ft; heads 3½" ac; Calif.
- verticillata.** CORE-30 25¢ Thread-leaf C. Deep yellow, heads 2" ac; 3 ft; HP.
- Stillmanii.** CORE-26. 25¢ Flower heads 1½" ac; 1 ft; HA; Calif; C-7.

**CORIANDRUM.**

(cor-ee-AN-drum)

Annuals, one species a well known herb grown for its seeds, used for seasonings. Easily grown; sow in sp in N or in the fall in the South.

—**sativum.** CORI-1. 25¢ Coriander. 3 ft; HHA. Oz. 40¢; lb. \$2.50.

**CORN — ORNAMENTAL KINDS.**

The ornamental sorts are very pretty, some with varied colored leaves and other with colored kernels; they are interesting subjects

**(kop-ROSS-muh)**

for children to grow; all easily grown.

—**Bassetti's Rainbow Corn.** CORN-1. 25¢ This is the brightest strain grown; all colors of the rainbow; ears are showy.; lb. 50¢.

—**Strawberry Pop Corn** CORN-2. 25¢ The true red Strawberry type; dark red. Oz. 50¢; ¼ lb. 90¢.

—**gracillima variegata.** CORN-3. 25¢ Grows to 4-5 ft; leaves striped with white and pink; for ornamental foliage. Oz. 40¢.

—**Curagua.** CORN-4. 25¢ Indian Corn. White, yellow and black kernels; robust growth with green lvs; this lot is white seeded.

**OTRER CORNS:** see *Zea*.

**CORN SALAD:** see *Valerianella locusta v. oiltoria*.

**CORNUS.** (COR-nus)

Cornaceae. Dogwood. Shrubs and small trees, early flowering and showy; easily grown in well drained soil.

—**canadensis.** CORS-12. 30¢ Bunch-Berry. Low HP to 10 inches; very hardy; ground cover. Oz. 70¢; lb. \$5.30.

—**florida.** CORS-17. 30¢ Dogwood. Small tree; white fls; showy. Oz. 50¢; lb. \$3.75. d b.

—**Kousa.** CORS-22. 40¢ Tree to 20 ft; dense heads of creamy white fls. Oz. 50¢; lb. \$3.50.

—**mas** CORS-24. 30¢ Cornelian Cherry. Tr. to 20 ft; yellow fls; edible fruits. Oz. 50¢; lb. \$2.00.

—**sanguinea.** CORS-34. 40¢ Oz. 75¢; lb. \$2.00.

—**stolonifera.** CORS-36. 30¢ Red Osier D. 10 ft; dark red branches. c. s. Oz. 60¢; lb. \$4.50.

Handsome tr with rounded massive heads of Laurel-like glossy green fol; berries yellow, 1" long, orange when ripe; good coastal tree; 30 ft; (X); N. Z.

**COROKIA.** (kor-ROH-kee-uh) Cornaceae. (X).

—**Cheesemanii.** CORK-5. 50¢ Slender twiggy shrub with grayish foliage; fls and berries yellow; not common; 9f; (IX).

—**Cotoneaster.** CORK-7. 50¢ Ridig sh with interlacing black branches; fls yellow, followed by bright berries; 6 ft; (I); N. Z.

—**macrocarpa.** CORK-15. 50¢ Bushy sh; lvs silvery white underneath; yellow fls; berries golden yellow; 10 ft; (X); N. Z.

**CORPANTHA.**

—**vivipara.** CORH-74. 50¢ Cacti. Ball to 4" ac; crown silky carmine; (II) HP.

**CORTADERIA.** (kor-ta-DEE-re-ah) Pampas Grass. Gramineae. Ornamental grasses not hardy in the N. They thrive in light rich soil. They are pretty; start indoors in Jan. or Feb. in the N and grow on in pots; they will not stand frosts.

—**Selloana.** CORT-2. 25¢ (C. argenteum) Tender ornamental grass; 20 ft; TP.

—**rosea.** CORT-2R. 25¢ A type with pinkish plumes.

**CORYDALIS.** (cory-DA-lis) Fumariaceae. Yellow, rose, blue or pur-

ple dicentra-like fls in terminal racemes; they are easy to grow in fair garden soil.

—*cheilanthalifolia*. CORY-7. 50¢

Lemon-yellow fls amid ferny fol, tinged gray and maroon; HP; China.

—*lutea*. CORY-12. 40¢

—*nobilis*. CORY-16. 30¢

Golden yellow; non-rampant; very early; 10"; HP.

—*ochrolenca*. CORY-19. 40¢

Yellowish white fls; 15 inches; HHP; Italy

—*semperflorens*. CORY-27. 30¢

Roman Wormwood. Dainty pink fls, yellow tips; 2 ft; HA or HB.

—*Wilsonii*. CORY-40. 50¢

Silver fol in basal rosettes; yellow plumes in summer; HP; China.

### CORYNOCARPUS.

—*californica*. CORU-4. 50¢

Wash.-Calif; lb. \$1.90.

—*laevigata*. CORU-5. 50¢

### COSMOS

Showy late flowering annuals and perennials allied to the Dahlia. They are easily grown and thrive even in rather poor soils; useful both in border or for cutting; C-7.

**C. BIPINNATUS:** Half hardy annuals to which belong the commonly known garden forms. Sow direct or may be started indoors; 8-10 ft; HHA. C-7.

**SENSATION TYPE:** Extra large well formed flowers on erect plants; space 20 in.

—*Cardinal*. COS-1C. 20¢  
Large showy dark red. 1/2 Oz. 40¢.

—*Dazzler*. COS-1D. 20¢  
A very pretty crimson; 4 ft tall.

Dicentra-like fls in yellow, blue, purple or rose.

—*Pinky*. COS-1P. 20¢  
A new clear rose-pink.

—*Radiance*. COS-1R. 20¢  
Deep rose with crimson ring; dandy.

—*Rose Queen*. COS-1Z. 20¢  
NEW. Rose overlaid with clearly defined crimson zone.

—*Scarlet*. COS-1S. 20¢

—*Purity*. COS-1W. 20¢  
A pure white variety.

—*Blend of Above*. COS-1X. 20¢

—Any of Above (except as noted) 1/2 oz. 40¢; oz. 75¢.

**TRUE or EARLY FLOWERING:** A superior garden strain of large size but early blooming flowers.

—*Crimson Queen*. COS-2C. 20¢

—*Rose Queen*. COS-2Z. 20¢

—*White Queen*. COS-2W. 20¢

—*Mixed Queen*. COS-2X. 20¢

**HYBRID VARIETIES:** These are not as tall growing; excellent in the border and for cutting.

—*Fiesta*. COS-3S. 25¢  
Brilliant semi-double; fls gold, striped scarlet; NEW; cutting.

—*Orange Flare*. COS-3F. 20¢  
Large orange flowers.

—*Orange Ruffles*. COS-3R. 20¢  
Pretty ruffled orange petals.

—*Yellow Flare*. COS-3Y. 20¢  
A rich yellow.

—*Mixed Hybrids*. COS-3X. 20¢  
Any above varieties: Oz. 50¢.

**OTHER COSMOS TYPES:**

—*atrosanguineus*. COS-10. 25¢

—*Double Crested*. COS-4X. 20¢  
Large double crested flowers in white, pink and crimson.

—*Late Mammoth Mxed.* COS-5X. 20¢

Large single flowers best for the South.

—*Double Mixed*. COS-7X. 20¢

—*Cosmos Blend*. COS-X. 15¢

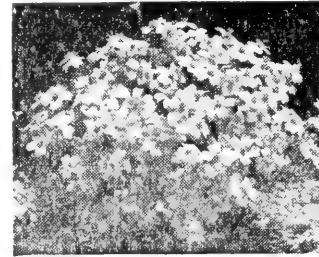
All kinds mixed. Oz. 40¢.

### COSTUS.

Spiral Flag. Zingiberaceae. Tropical perennials with red, yellow and white s in dense spikes; rich moist soil; grown in the South.

—*speciosus*. COST-3. 25¢

White with yellow center; 5 in. spikes; India; 10 ft; TP.



**MARIGOLD — Gnome**

### COTONEASTER.

(koh-toh-ne-AS-ter)

Rosaceae. Temperate zone shrubs, mostly native of China; very ornamental but some are not hardy in zone (IV); sunny position and well drained soil; the seed should be stratified or sown in the fall and not disturbed for over a year.

—*acuminata*. COTN-1. 30¢

Pinkish fls in clusters; 12 ft; hardy.

—*acutifolia*. COTN-2. 50¢

Pekin C. c. s. Oz. 70¢; lb. \$9.00.

—*apiculata*. COTN-3. 30¢

Decid. sh; 6 ft; pink fls; bright red fr; China; (IV).

—*bullata v. microphylla*. COTN-10. 50¢

Decid. sh to 6 ft; pinkish fls 5" long. Lb. \$5.25.

—*Dielsiana*. COTN-17. 30¢

Decid; 8 ft; pinkish fls; fr. bright red; hardy. Oz. \$1.00.

—*divaricata*. COTN-20. 30¢

Decid; 6 ft; pinkish fls; red fr; hardy. Lb. \$6.50.

—*foveolata*. COTN-22. 25¢

Pinkish fls in clusters; black fruits; 10 ft. sh; China.

—*frigida*. COTN-24. 30¢

White fls in dense clusters; fr. bright red; South only. 20 ft.

—*claucocephylla serotina*. COTN-26S. 30¢

7 ft. semi-evergreen; fls in dense corymbs; W. China.

—*horizontalis*. COTN-32. 35¢

Semi-ev; 3 ft; fr. red; hardy.

—*perpusilla*. COTN-32P. 30¢

Has leaves 1/4" or less long.

—*humifusa*: see *C. Dammeri*.

—*Microphylla*: see *C. bullata*.

—*pinnosa*. COTN-49. 30¢

Silver-leaf C. 10 ft; white fls in clusters; China; (VI).

—*rosea*. COTN-54. 30¢

Decid. red fr; 6 ft; HSh. Oz. \$2.00 d. b.

—*rotundifolia*. COTN-55. 30¢

Evergreen; white fls in clusters; red fr; 12 ft.

—*salicifolia*. COTN-58. 30¢

Ev. to 25 ft; white fls; red fr; hardy.

Oz. 75¢; lb. \$4.75.

—*Mixed Cotoneasters*. COTN-X. 25¢

It helps if both the name and symbol are given on your order — use order blanks.

**COTYLEDON.**

(cot-il-LEED-on)  
Crassulaceae. Succulent plants with red, yellow or greenish fls; grown in the GH or RG; (see also under Cacti); likes lime.

—*oppositifolia*.

COTY-7. 50¢

—*simplicifolia*.

COTY-15. 50¢

Succulent; 6"; yellow drooping fls.

—*Mixed*.

COTY-X. 50¢

**CRATAEGUS.**

(kra-TEEG-us)

Hawthorn, Thornapple. Rosaceae. Fine shrubs or small trees as specimens, mostly hardy in the North. They come very true from seed which germinates slowly and can be stratified for quicker germination.

—*Crus-galli*.

CRAT-16. 30¢

Cockspur T. White fls tinged with red; red fr; 20 ft; hardy. Lb. \$2.80.

—*Douglasii*.

CRAT-19. 30¢

Tree to 30 ft; fls ½" ac; black shining fr; Minn; (III). c. c. Oz. 60¢; lb. \$400.

—*intricata*.

CRAT-35. 30¢

(C. coccinea) Dark glossy lvs; fr large scarlet; 15 ft. Lb. \$3.25.

—*monogyna*.

CRAT-47. 40¢

English Hawthorne. To 30 ft. fls ½" ac; fr. bright red.

—*Smithiana*.

CRAT-69. 40¢

English grown seed.

**CRAWFURDIA.**

(craw-FUR-de-ah)

Gentianaceae. Twining plants from the Himalayas and allied to the Gentians, which see for culture. They are not hardy in North but do well in California; rare in American gardens.

—*japonica*.

CRAW-1. 35¢

Dull greenish fls; fleshy fruits; very ornamental; vine; HHP.

—*speciosa*.

CRAW-3. 35¢

Blue funnel-shaped fls; vine; the hardiest species; HHP.

**CREMANTHODIUM.**  
(cre-man-THOD-e-um)—*Thompsonii*.

CREM-5. 30¢

Lemon-yellow fls, 1¾" across.

**CREPIS.**

(KREEP-iss)

These are showy and very easily grown hardy annuals; flourish in light and dry soils. The fls are dandelion-like and most attractive in the border; colors in red, yellow and orange; space 9" apart.

—*aurea*.

CREP-1. 40¢

Orange flower heads; 12"; Alps; HP.

—*conyzifolia*.

CREP-2. 50¢

—*biattarioides*.

CREP-3. 50¢

—*glomerata*.

CREP-5. 25¢

Yellow fls; black anthers; 6-10" high.

—*incarna*.

CREP-7. 40¢

Pink fls; 10"; for RG; HP.

—*Jacquinii*.

CREP-8. 50¢

—*paludosa*.

CREP-10. 30¢

—*pannonica*.

CREP-11. 50¢

—*siberica*.

CREP-14. 50¢

—*Mixed Species*.

CREP-X. 25¢

CRESS: see *Lepidium sativum*. (Herb List).**CROCUS.**

(KROH-kus)

While many species of Crocus are ordinarily purchased as bulbs, a great deal of interest and pleasure can be had in raising them from seeds, especially in hybrids.

—*vernus*.

CROC-41. 40¢

Lilac fls; native of Europe.

—*Crocus Blend*.

CROC-X. 25¢

CROCUS BULBS: All kinds can be supp-

lied in the fall; some of the rarer species should be spoken for not later than June 1st. to be fairly sure of delivery.

**CROSSANDRA.**

(kros-SAND-ruh)

Acanthaceae. Tropical plants and shrubs grown outdoors in the far S or under glass in the N.

—*nilotica*.

CROS-3. 40¢

South Rhodesian species.

**CROTALARIA.**

(kroh-tah-LAY-re-ah)

Leguminosae. Rattle-Box. Plants have Sweet Pea-like fls; swollen pods; soak seed in warm water; in the N they can be grown in the GH.

—*anagyroides*.

CROT-2. 25¢

Shrub to 8 ft; fls yellowish with darker lines; X; Venezuela.

—*capensis*.

CROT-6. 30¢

Golden yellow Sweet peas; 5 ft. sh; soak seeds; TSh.

—*macrocarpa*.

CROT-10. 40¢

Neat compact bush; yellow fls; 3 ft; S. Africa; TSh.

—*Rhodesiae*.

CROT-14. 30¢

Procumbent; golden orange fls; RG; sun; light soils; TSh.

—*usaramoensis*.

CROT-19. 30¢

—*Mixed Species*.

CROT-X. 25¢

**CRUCIANELLA.**

(kro-she-an-NEL-ah)

Rubiaceae. Crosswort. Annuals and perennials of Medit. region and W. Asia; partial shade; RG.

—*stylosa*.

CRUC-6. 35¢

Pink fls; plant prostrate; Persia; HHP; C-23.

**CRYOPHYTUM.**

(kye-OFF-it-um)

—*crystallinum*.

CRYO-3. 30¢

Ice-Plant; (X).

**CRYPTOMERIA.**

(kip-toh-MEER-ee-uh)

Taxodiaceae. One Japanese evergreen tr; pyramidal habit; beautiful growth and used as street trees.

—*japonica*.

CRYM-1. 35¢

Hardy to D. C. and up to N. E. states; (V).

**CUCUMIS.**

(KEW-kew-mis)

Tender annual vines to which the Cucumber and Melon belong. They are mainly grown for their edible fruits; some are ornamental as well.

—*Anguria*.

CUCU-1. 25¢

West India; Burr Gherkin. Fruits curious and used in pickles.

—*ficifolia*.

CUCU-3. 30¢

Malabar Gourd. Native of warm regions where it is perennial; fruits 12" long, green with white stripes; grown for ornament.

—*dipsaceus*.

CUCU-2. 25¢

Hedge-hog or Teasel Gourd. For curiosity and ornament.

—*melanosperma*: see *C. ficifolia*.—*Melo v Dudain*.

CUCU-4D. 25¢

Fruit size of Orange, marbled; highly perfumed.

**CUCURBITA.**

(kew-KERB-it-uh)

Cucurbitaceae. Running plants of which the Squash, Pumpkin and Gourd are members; some are ornamental as well as edible.

—*Anguria*.

CUCB-1. 25¢

West Indian or Burr Gherkin. Fruits odd looking and used in pickles.

—*dipsaceus*.

CUCB-2. 25¢

Teasel Gourd. Grown for curiosity and

ornament; Arabia.

—*ficifolia*.

Malabar Gourd. Ornamental; perennial in warm regions.

**CUNNINGHAMIA.** (kun-ning-HAM-ee-uh)

Taxodiaceae. China Fir. (Belis). Two evergreen trees allied to *Cryptomeria*. Have stiff sharp pointed flattened lvs. Hardy in the far South.

—*laeotata*.

**CUNN-2.** 50¢

Tree to 80 ft; China; (V).

**CUNONIA.**

(kew-NON-ee-ah)

Cunoniaceae. Trees and shrubs from the Southern Hemisphere. Ornamental and suitable for far South.

—*capensis*.

Handsome S. Af. tree; fls white like the Bottle-brushes, above the foliage.

**CUPHEA.**

(KEU-fe-ah)

Lathraceae. Tropical plants, mostly GH subjects in the N but pretty annuals for outdoors in the S; nice for boxes and baskets.

—*Hybrids, Butterfly*.

**CUP-3B.** 25¢

Very pretty and in many colors; 2 ft; TA; —*Firefly*.

**CUP-3F.** 25¢

—*ignea*.

**CUP-5.** 25¢

(C. platycentra) Cigar-Flower. Bedding; red and white fls; 1 ft; TA space 9"; very showy in pots.

—*lanceolata*.

**CUP-7.** 25¢

Purple fls; Mexico; 4 ft; TA; space 18".

—*Llavea v miniafa, Vermilion*.

**CUP-8V.** 25¢

Brilliant vermillion :s; 1 ft; TA; space 9".

—*Mixed Cupheas*.

**CUP-X.** 20¢

**CUPRESSUS.**

(kew-PRESS-us)

—*Ducloxiiana*.

**CUPR-6.** 30¢

Bhutan C. Tree to 150 ft; drooping branchlets; Himalayas; formerly classified as C. torulosa.

—*lusitanica*.

**CUPR-20.** 35¢

Portuguese or Mexican C. Tree to 50 ft.

—*sempervirens*.

**CUPR-17.** 35¢

Italian C. Tr to 80 ft; very ornamental; (VIII)

—*torulosa*: see C. *Ducloxiiana*.

**CURCULIGO.**

(kur-KEW-lig-oh)

Amaryllidaceae. Stemless Amaryllis-like plants with short thick root stock; popular GH foliage plants or outdoors in the South; requires high temperature; plenty of moisture and a rich soil.

—*capitulata*.

**CURC-1.** 30¢

Dark green leaves 3 ft. long; palm-like; fine for pots.

**CURTONUS.**

(kur-TON-us)

Iridaceae. Allied to *Antholyza*, *Chasmonea* and *Anapalina*. Only one known species; grow as you would *Gladiolus*

—*paniculatus*.

**CURT-1.** 30¢

Leaves 2 ft. lonfi, 3" wide; red-yellow fls; 4 ft; TP.

**CUSCUTA.**

**CUS-1.** 50¢

**CYANANTHUS.**

(cy-NAN-thus)

Campanulaceae. Small Himalayan plants, nice for the RG. They are related to *Codonopsis* but not climbing, flowering in late summer; hold over first winter in pots; needs good growth first year; a lovely race.

—*lobatus*.

**CYAN-4.** 30¢

One of the best species; large blue fls; 6"; HP.

—*microphyllus*.

**CYAN-7.** 50¢

(C. integer) Gay blue starry fls on trailing stems; 2"; autumn flowering; HP.

**CYCAS.**

(SYE-kass)

Cycadaceae. Greenhouse plants for specimens or out doors in the South. Cover seed with sand and germinate in greenhouse and pot off as they germinate; 70 degrees Far. Called Palms but they are not.

—*revoluta*.

**CYCA-7.** \$4.00

Sago-Palm. 10 ft; Japan. 10 fruits \$4.00; shipped as received.

## CYCLAMEN

Primulaceae. Low GH plants, some are hardy outdoors in the N. The florist Cyclamen is very popular.

**CYCLAMEN INDICUM:** Popular pot plants for the GH. Sow in Sept.; requires 15-18 months for good 6"-pot plants.

—*Baardse's Wonder*.

**CYCL-9B.** 50¢

Fine salmon with white border.

—*Bonfire*.

**CYCL-9F.** 50¢

Brilliant salmon color.

—*Glory of Wandsbeck*.

**CYCL-9G.** 50¢

One of the best dark crimson.

—*Glory of Marienthal*.

**CYCL-9M.** 50¢

Soft rose with a bright carmine eye.

—*Rose of Zehlendorf*.

**CYCL-9Z.** 50¢

A showy bright rose color.

—*Salmon-Scarlet*.

**CYCL-9S.** 50¢

An improved America.

—*White with Crimson Eye*.

**CYCL-9E.** 50¢

—*New Ruffled, Mixed*.

**CYCL-9RX.** 50¢

Ruffled petals; try a few in your list.

—*Rococo, Mixed Colors*.

**CYCL-9CX.** 50¢

An extra large flowering strain.

—*Cyclamen Blend*.

**CYCL-9X.** 50¢

A hand-made blend for greenhouse use

**PRICE:** Any of Above, \$12.00 per 1,000 seeds; 100 seeds (not less than 25 of a kind) \$1.50. Orders received before July 1st — 10% more seed will be added.

## CYCLAMEN SPECIES:

Seed is best if sown as soon as possible after harvest; if not ordered otherwise, orders on the following received after Jan. will be so held.

—*cilicium*.

**CYCL-3.** 50¢

Large pale rose fls purple in throat; seed available after new crop; limited.

—*coum*.

**CYCL-4.** 50¢

Purple fls with spotted throat; seed will be available after new crop; limited.

—*europacum*.

**CYCL-6.** 50¢

Bright red fls; fragrant 4-5"; HP; IV.

—*neapolitnum album*.

**CYCL-12.** 50¢

Hardy white Cyclamen; autumn flowering; 4"; HP; IV.

—*Tregay Strain*.

**CYCL-12T.** 50¢

Seed available after new crop; limited.

—*pseud-ibericum*.

**CYCL-14.** 50¢

Seed available only from new crop.

## CYDONIA.

(cy-DON-ee-ah)

Rosaceae. Quince. A small tree to 20 ft; the Japanese Q. see under *Chaenomeles*.

—*semperflorens*.

**CYDO-3.** 35¢

**CYMBALARIA.** (sim-bah-LAY-re-ah) Scrophulariaceae. Creeping herb perennials; very much like *Linaria*. They are tender and should be grown as annuals in the N; nice basket plants for shady places.

—*muralis*.

**CYMB.** 3. 25¢

Kenilworth Ivy. Lilac-blue fls; a good basket plant for shady places.

**CYNARA.**

(SIN-er-uh)

Compositae. Course per. and bien. plants native of Medit. regions.

—*Cardunculus.*

CYNA-1. 25¢

Cardoon. Cultivated for its edible root; start early; 6 ft. Oz. 50¢.

—*Spineless.*

CYNA-1S. 25¢

Oz. 40¢.

—*Bolognese.*

CYNA-1B. 25¢

**CYNOGLOSSUM.**

(sin-oh-GLOS-um)

Boraginaceae. Hound's Tongue. Annual, biennial and perennial plants grown for cut-flowers.

—*amabile.*

CYNO-1. 20¢

Deep blue; 2 ft; grow as HA; space 12";

—*Pink.*

CYNO-1P. 25¢

—*Firmament.*

CYNO-1F. 25¢

A compact blue variety; 15"; HA.

—*coelestinum.*

CYNO-3. 20¢

Properly listed as *Adelocaryum caelestinum*. Blue fls; 2 ft; especially grown for bee food. Lb. \$1.75.

—*linifolium:* see *Omphalodes linifolia.*—*zaylasicum.* CYNO-9. 30¢

(C. furcatum). 3 ft; HA; blue fls; India.

—*Cynoglossum Mixed.*

CYNO-X. 20¢

**CYPERUS.**

(sy-PEE-rus)

Cyperaceae. Galingale. An. but mostly perennials; leaves grass-like; fls in spikelets. They are grown in ponds or as pot plants.

—*alternifolius.*

CYPE-2. 30¢

Umbrella Plant. For water edge; 3 ft; TP. Oz. \$1.00.

—*nana compacta.*

CYPE-2N. 40¢

Dwarf compact strain for pots. 1/8 oz. 65¢

—*congestus.*

CYPE-3. 35¢

(Paramatta). Good in dry places.

—*elegans.*

CYPE-5. 30¢

Fine lvs; very pretty. Oz. \$1.50.

—*natalensis.*

CYPE-7. 30¢

To 2 ft; spikelets on rays 7" long; Natal.

Oz. 60¢.

—*Papyrus.*

CYPE-9. 50¢

To 8 ft; paper plant of Egyptians; grown in ponds.

—*parametia.*

CAPE-10. 40¢

For dry places.

**CYPHOMANDRA.**

(sye-foh-MAND-ruh)

Solanaceae. S. Am. tropical shrubs and trees with flowers in racemes or cymes followed by many seeded berries. Grow same as Egg Plant; hardy only in far South.

—*betacea.*

CYPH-1. 35¢

**CYPRIOPEDIUM**

Orchidaceae. Lady Slipper. Terrestrial orchids, hardy in zone (III); very pretty; try sowing seed on rotted wood in shady place.

—*acaule.*

CYPR-1. 60¢

Pink Lady Slipper. Beautiful in shady spots; May-June; HP; (III); try sowing seed on well rotted hard wood.

—*Calceolus.*

CYPR-4. 50¢

Yellow Eurasian Lady Slipper. Styria.

—*pubescens.*

CYPR-4P. 50¢

Larger and more hairy; fls larger; (III).

—*Reginae.*

CYPR-18. 50¢

Showy Lady Slipper. Fls 3" ac; white, lips striped rose; HP; (III).

**PLANTS:** We can supply plants in Spring or Fall; see plant list.

**CRYPTOSTEGIA.**

Asclepiadaceae. Rubber Vine. Three woody tropical Af. vines; large funnel-shaped fls; can be grown under glass.

—*grandiflora.*

CRYG-2. 35¢

Very attractive tree or bush; funnel-shaped reddish purple fls that turn pale with age.

**CYTISUS.**

((SIT-iss-us))

Leguminosae. Broom. Shrubs very similar to Genista. They are not hardy in the North but can be forced in the GH in a cool place; many are very showy. They thrive in full sun but not too rich soil.

—*decumbens.*

CYTS-16. 35¢

Prostrate, yellow fls; May-June; 8"; HP.

—*hirsutus v. demissus.*

CYTS-24D. 75¢

Very rare; best of all the really dwarf, prostrate rockery Brooms; trailing stems and immense brown and deep orange-yellow fls in summer sun and poor soil; easy good on sea coast; hedge plant; 10 ft; (X); New Zealand.

—*purpureus.*

CYTS-44. 40¢

White, pink or purplish fls; 2 ft.

**DABOECIA.**

(dab-oh-EESH-ee-uh)

Irish Heath. Ericaceae. One evergreen Heath-like shrub, suitable for the RG; it requires winter protection in the N; thrives in a peaty acid soil.

—*canariaca.*

DAB-1A. 50¢

Irish Heather. White form; 2 ft; HSh; V.

—*Hybrid.*

DAB-1H. 25¢

Pink to rose; 6-12 in; long bloomer; HP.

**DAHLBORG DAISY:** see *Thymophylla*.**DAHLIA**

Compositae. Tender perennials; the growing of them from seed is an interesting undertaking and many new forms and varieties can be developed; start seed indoor for an early strat.

—*Coltness Hybrids.*

DAHL-2. 25¢

Dwarf; single fls, blooming in 4 months from seed.

—*Scarlet Gem.*

DAHL-2S. 25¢

—*White.*

DAHL-2W. 25¢

—*Yellow Gem.*

DAHL-2Y. 25¢

—*Collarette.*

DAHL-3. 25¢

Large semi-double flowers

—*Decorative Giants.*

DAHL-4. 25¢

Exhibition strain from newest varieties.

—*Gem.*

DAHL-4G. 25¢

Large flowering hybrids in dwarf form.

—*Giant Hornsveld Hybrids.*

DAHL-2G. 25¢

Immense double and semi-double fls; this comes true from seed.

—*Mignon.*

DAHL-6. 25¢

Very large single fls in bright colors; 18".

—*Queen of Moorland.*

DAHL-9. 25¢

Dwarf; black lvs; double; Feb. sown seed blooms in July; 18".

—*Unwin's Dwarf Hybrids.*

DAHL-7. 25¢

Semi-do and double fls; 24"; in bright colors.

—*Single Varieties Mixed.*

DAHL-8X. 25¢

—*Mixed Dahlias.*

DAHL-X. 25¢

**DANAE.**

Liliaceae. Native of S. W. Asia.

—*racemosa.*

DANA-1. 35¢

Alexander Laurel. Small white fls in terminal racemes; 3 ft; red berries; native of S. W. Asia.

**DAPHNE.**

((DAFF-nee))

Small deciduous and evergreen shrubs especially valuable for their fragrant fls; they thrive in a well drained sandy loam, well supplied with leaf mould. They are not all hardy in the N and some are grown in the

GH; use lime-free soil. (Thymelaeaceae).

—*alpina*. DAPH-1. 40¢

White or pinkish fls; May-June; in terminal clusters; 1 ft; HHSh

DAPH-12. 50¢

DAPH-16. 50¢

—*glandulosa*.

Lilac-purple fls; scarlet fr; 4 ft; seed can be sown in July or August; peaty soil.

Oz. 50¢; lb. \$5.50.

DAPH-20. 30¢

—*oleoides*.

White or pale lilac fls; 3 ft; ev; TSh.

DAPH-16A. 50¢

—*alba*.

White flowered form and yellow fruits.

—*rubra*.

Reddish purple flowers.

DAPH-16R. 30¢

—*Mixed*.

DAPH-X. 25¢

**DASYLIRION.** (dass-il-LIHR-ee-on)

—*glaucophyllum*. DASY-3. 50¢

18 ft; (X). 100 seeds \$1.60; 1,000, \$4.50.

—*gracile*. DASY-5. 50¢

100 seeds \$1.80; 1,000, \$5.00.

—*longifolium*: see *Nolina longifolia*.

**DATURA.** (dah-TEU-rah)

Annual and perennials found in warm regions, some of which are ornamental on account of their large trumpet-shaped fls; they should be treated as tender annuals in the N but hardy in the far South.

—*arborea*. DATU-1. 30¢

Angel's Trumpet. Small tr; large white fls with musk-like odor.

—*fastuosa* fl. pl. DATU-8. 25¢

Double flowers mixed. Oz. 80¢.

—*ferox*. DATU-9. 25¢

Light blue flowers.

—*innoxia*. DATU-10. 25¢

—*Mefei*. DATU-11. 25¢

Large double whitish fls, purple calyx;

5 ft; TA.

—*alba plena*. DATU-11A. 30¢

Large white fls. Oz. 50¢.

—*aurea plena*. DATU-11Y. 30¢

Yellow fls. Oz. 50¢.

—*cœrulea plena*. DATU-11B. 25¢

Blue flowers. Oz. 50¢.

—*St-amonium*. DATU-18. 25¢

White or lavender fls, 4" long; trumpet;

5 ft; TA.

—*Tatula*. DATU-18D. 25¢

Purpled flowered form.

—*Trumpet-in-Trumpet*. DATU-30. 25¢

—*Mixed Datura*. DATU-X. 25¢

**DAUBENTONIA.** (dau-ben-THON-ee-ah)

Shrubs and trees with pinnate leaves and yellow or rose fls in racemes followed by 4-winged or -angular pods; not hardy in the N.

—*texana*. DAUB-3. 30¢

—*Tripetii*. DAUB-4. 30¢

Orange-red with scarlet standards; in drooping racemes; 6 ft; HHSh.

**DAVIESA.**

—*corymbosa*. DAVI-3. 30¢

Narrow-leaf Butter Pea. Yellow pea-shaped fls covering the 2-5 ft. shrub; Aust.

**DECAISNEA.** (dek-KAY-nee-uh)

Lardizabalaceae. Asian shs; flowers in paniced racemes followed by ornamental fruits.

—*Fargesi*. DECA-4. 50¢

Shrub; 16 ft; greenish fls; China; (V).

**DECODON.** (DEK-oh-den)

Found in swamps and about ponds; Me to Fla.

—*verticillatus*. DECO-1. 30¢

White Willow, Swamp Loosestrife. Rose-purple fls 1" ac; 8 ft; July-Sept; HP.

**DELONIX.** (de-LON-ix)

Trees with showy orange and scarlet fls in racemes; grown only in the far S. They have been classed, incorrectly, as Poinciana and Caesalpina. D. regia is the commonly grown Royal Poinciana of the far South.

—*regia*. DELO-1. 35¢

Royal Poinciana; Peacock Flower; red fls; very showy; (IX). Oz. 75¢; lb. \$4.00.

## DELPHINIUMS

Larkspur. (del-FIN-ee-um). Ranunculaceae. A large number are very showy fls for the border. The large flowering garden strains are usually started in August or early spring just so they get rooted by freezing weather. Keep the seed flat in a shady place till the seedlings appear. Fresh seed is available in late August..



GIANT DELPHINIUMS

**PLEASE NOTE:** All Delphinium seed received from us should be planted at once or placed in the refrigerator till used.

### PACIFIC GIANT STRAIN:

These are the most popular of all the Delphiniums; they are about 65% mildew resistant and 100% double.

—*Black Knight*. DELP-1K. 50¢

Darkest violet with black bee; 2½" ac.

—*Blue Bird*. DELP-1B. 50¢

True blue with white bee.

—*Blue Jay*. DELP-1J. 50¢

Clear medium to dark blue with contrasting bee.

—*Cameliard*. DELP-1C. 50¢

Clear lavender self with white bee; 3" ac.

—*Galahad*. DELP-1W. 50¢

Giant white fls with white bee.

—*Guinevere*. DELP-1G. 50¢

Clear pink-lavender self with white bee.

—*King Arthur*. DELP-1A. 50¢

Rich royal purple; large white bee.

—*Lanceolate*. DELP-1L. 50¢

Clear lilac self with white bee; a rare Delphinium color.

|  |                       |  |
|--|-----------------------|--|
| — <b>Percival.</b>   | <b>DELPH-1P.</b> 50¢  | HP; best sown in Feb.  |
| Large glistening white; strong contrasting bee.  |                       |  |
| — <b>Round Table.</b>  | <b>DELPH-1R.</b> 50¢  | — <b>incanum.</b> <b>DELPH-52.</b> 40¢   |
| All the colors plus many beautiful hybrids.  |                       | — <b>macrocentron.</b> <b>DELPH-58.</b> 50¢  |
| — <b>Summer Skies.</b>   | <b>DELPH-1S.</b> 50¢  | Flowers hanging; blue or yellow; 5 ft; South Rhodesia.   |
| Light sky blue with white bee.   |                       | — <b>Menziesii.</b> <b>DELPH-59.</b> 50¢   |
| — <b>Series Blend.</b>   | <b>DELPH-1X.</b> 50¢  | Deep blue; western U. S. sp; 4-5 ft; HP; best sown in Feb.   |
| Hand made blend of just the above series.  |                       | — <b>nudicaule, Red Cardinal.</b> <b>DELPH-62R.</b> 35¢  |
| <b>PRICE:</b> Any of the Above. 1/2 Oz. \$3.00;<br>Oz. \$5.00; Lb. \$50.00.  |                       | Rich scarlet flowers; long spurs; 1 ft; RG; Oz. \$3.00.  |
| <b>BELLADONNA:</b> This class is not as tall nor as large flowered as the Pacific Giants but they are easier to grow and will stand up better and require less care; they are also much better in the South. |                       | — <b>Orange Queen.</b> <b>DELPH-62Q.</b> 40¢   |
| — <b>True Type.</b>  | <b>DELPH-2B.</b> 25¢  | Bright orange flowers; Oz. \$4.00.   |
| Clear blue on nice strong plants.  |                       | — <b>orientale.</b> <b>DELPH-65.</b> 50¢   |
| — <b>Blue Grotto.</b>  | <b>DELPH-2G.</b> 25¢  | Violet-blue; HA.   |
| Deep indigo-blue; 3 ft; excellent cut.   |                       | — <b>paniculatum.</b> <b>DELPH-69.</b> 35¢   |
| — <b>Cliveden Beauty.</b>  | <b>DELPH-2C.</b> 25¢  | Violet-blue fls; 3 ft; HA.   |
| Lovely turquoise-blue; 3 ft; excellent cut.  |                       | — <b>Parryi.</b> <b>DELPH-71.</b> 40¢  |
| — <b>Improved Strain.</b>  | <b>DELPH-2V.</b> 25¢  | Deep blue; S. Calif; 3 ft.   |
| This strain is a deep blue; 3 ft.  |                       | — <b>yunnanense.</b> <b>DELPH-104.</b> 75¢   |
| — <b>bellamosum.</b>   | <b>DELPH-2M.</b> 25¢  | True species; deep blue, long racemes; China; 3 ft; HP.  |
| Rich deep blue with white bee; 2" fls.   |                       | — <b>Welbyi.</b> <b>DELPH-103.</b> 50¢   |
| — <b>Mixed.</b>  | <b>DELPH-2X.</b> 25¢  | Blue; 2 ft; fls 2" ac; Abyssina.   |
| <b>Any of above:</b> Oz. \$1.60; lb. \$12.00.  |                       | — <b>Zalil.</b> <b>DELPH-105.</b> 60¢  |
| — <b>Hollyhock Strain.</b>   | <b>DELPH-2H.</b> 35¢  | (D. sulphureum). Primrose-yellow fls; 2 ft; HP; best sown in the fall to germinate in the spring.  |
| Has very long spikes, densely covered with flowers; comes in light colors, mixed. Oz. \$2.25; lb. \$24.00.   |                       |  |
| — <b>Blackmore and Langdon.</b>  | <b>DELPH-21.</b> 40¢  | <b>DESMODIUM.</b> (des-MOH-de-um)  |
| A very large flowered strain of hybrids in exquisite colors; the English version of the Pacific Giants. Oz. \$2.25; lb. \$22.00.   |                       | Tick Trefoil. Leguminosae. Plants, often woody at the base, grown in the border or wild garden; fls in racemes.  |
| <b>CHINENSIS:</b> While these are perennial they are best treated as annuals from early started seed. They are robust growers and rarely need staking; fine cut.   |                       | — <b>motorium.</b> <b>DESM-12.</b> 30¢   |
| — <b>Azure Fairy.</b>  | <b>DELPH-3A.</b> 25¢  | (gyrans). Telegraph Plant. Grown in the GH; treat as An; 4 ft; HP.   |
| Dwarf; azure-blue; 12".  |                       |  |
| — <b>Blue Mirror.</b>  | <b>DELPH-3M.</b> 25¢  | <b>DEUTZIA.</b> (DEWT-see-uh)  |
| A new type; light blue, without spurs and fls facing upwards.  |                       | — <b>scabra.</b> <b>DEUT-38.</b> 50¢   |
| — <b>Blue Butterfly.</b>   | <b>DELPH-3B.</b> 25¢  | (D. crenata) Oz. \$1.50.   |
| Dwarf; ultramarine-blue; 12".  |                       | — <b>Vilmoriniae.</b> <b>DEUT-45.</b> 50¢  |
| — <b>White Butterfly.</b>  | <b>DELPH-3V.</b> 25¢  | White fls, 1" ac; 6 ft; China. Oz. \$1.90.   |
| Blooms first year from seed; white; bedding or border.   |                       |  |
| — <b>Cambridge Blue.</b>   | <b>DELPH-3C.</b> 25¢  | <b>DIANELLA.</b> (dye-an-NELLuh)   |
| Rich belladonna blue; 15".   |                       | Liliaceae. Fibrous rooted perennials and grown outdoors in the S or in a cool GH; sow seeds in the spring over heat.   |
| — <b>Tall Blue.</b>  | <b>DELPH-3T.</b> 25¢  | — <b>revoluta.</b> <b>DIAL-6.</b> 40¢  |
| Grows 24-30 inches high; good cut.   |                       | Flax Lily. Thick clumps of Rush-like lvs; small blue fls on stalks well above fol.   |
| — <b>Tall White.</b>   | <b>DELPH-3W.</b> 25¢  | — <b>tasmanica.</b> <b>DIAL-8.</b> 25¢   |
| Grows 2-3 ft; bedding or cut.  |                       | Grass-like ornamental foliage; large peacock-blue br; very attractive; nice in tubs; (VIII) 5 ft; Tasmania.  |
| — <b>Dwarf Mixed.</b>  | <b>DELPH-3DX.</b> 25¢ |  |
| — <b>Tall Mixed.</b>   | <b>DELPH-3TX.</b> 25¢ |  |
| <b>Any of Above:</b> Oz. \$1.60; lb. \$12.00.  |                       | <b>DIANTHUS</b>  |
| <b>DELPHINIUM SPECIES:</b>   |                       | (die-ANTH-us) Pinks, Carnations, Sweet William. Caryophyllaceae. A very large genus with many types and varieties. They are rather hardy and range in height from very low plants to 3 ft.; they have one common requirement—never cover the tops with a winter mulch. Shearing plants in the spring tends to keep them in shape; start the annual kinds as early as possible in the spring but the perennials can be started any time up to August; germ. 10-14 days. |
| — <b>bicolor.</b>  | <b>DELPH-9.</b> 35¢   | <b>D. BARBATUS:</b> Sweet Williams. While they are perennial they are best treated as biennials; 1-2 ft; makes cut-flowers late in the season; sow seed in April or May, thinly and prick out early; they can be started also in July or August.   |
| Erect western sp; 20 in; blue; dies down during the summer months; HP.   |                       | — <b>auricula-eyed, Mixed.</b> <b>DIAN-17AX.</b> 25¢   |
| — <b>carolinianum.</b>   | <b>DELPH-18.</b> 40¢  | All with large white epye.   |
| Wild Larkspur. HA; 3 ft; spikes light blue; fls in early sp; rich moist soil; Oz. 90¢.   |                       | — <b>Dunnettii.</b> <b>DIAN-17D.</b> 25¢   |
| — <b>cashmerianum.</b>   | <b>DELPH-20.</b> 50¢  | Blood-red fls; best of this type.  |
| Dwarf; blue; 10"; RG; Himalayas; HP; best germination had with Feb. sown seed.   |                       | — <b>Harlequin.</b> <b>DIAN-17H.</b> 25¢   |
| — <b>cardirale.</b>  | <b>DELPH-16.</b> 40¢  | White, rose and red shades on the same flower head; pretty.  |
| The Scarlet Delp. Erect; 2-3 ft; bright scarlet with yellow petals.  |                       |  |
| — <b>cuyamacae.</b>  | <b>DELPH-29.</b> 50¢  |  |
| A deep purple species; 4-6"; RG.   |                       |  |
| — <b>decorum.</b>  | <b>DELPH-32.</b> 40¢  |  |
| Blooms first year; brilliant blue; 1 ft;   |                       |  |
| — <b>grandiflorum.</b>   | <b>DELPH-46.</b> 40¢  |  |

|  |                |
|--|----------------|
| —Holborn's Glory.                            | DIAN-17B. 25¢  |
| Very large fls; white and white margin.      |                |
| —Hunt's Perfection.                          | DIAN-17P. 25¢  |
| Auricula-eyed fls; fine.                     |                |
| —Johnson's Diadem.                           | DIAN-17J. 25¢  |
| Brilliant dark scarlet with large white eye. |                |
| —Newport Pink.                               | DIAN-17N. 25¢  |
| A beautiful single salmon-rose.              |                |
| —Pink Beauty.                                | DIAN-17R. 25¢  |
| Charming strain in shades of salmon-pink     |                |
| —Purple Beauty.                              | DIAN-17L. 25¢  |
| Deep purple; single fls.                     |                |
| —Scarlet Beauty.                             | DIAN-17S. 25¢  |
| Brilliant scarlet.                           |                |
| —Single Dark Crimson.                        | DIAN-17C. 25¢  |
| —White Beauty.                               | DIAN-17W. 25¢  |
| —Dw. Comp. Single Mix'd.                     | DIAN-17SX. 25¢ |
| —Double Mixed.                               | DIAN-17DX. 25¢ |

Any of above: Oz. 60¢; lb. \$4.00.

**D. CARYOPHYLLUS:** The various strains and types of Carnations come under this species. Most are not real hardy in the (IV) zone but can be grown never the less in many gardens with a little protection. Space plants 1 ft. apart and get them started well before winter.

|  |               |
|--|---------------|
| —Giant Perpetual.  | DIAN-12P. 35¢ |
| Clove Pinks. Large flowers in several colors; clove scented; HP. |               |

**Chabaud's Carnation:** Everblooming Carnations. Sow seed indoors in Jan-Feb; this one of the very best of the Carnations.

|   |                |
|---|----------------|
| —Cardinal Red.  | DIAN-12C. 30¢  |
| Beautiful red shades.   |                |
| —Deep Rose.   | DIAN-12Z. 30¢  |
| —Double Rose.   | DIAN-12GZ. 30¢ |
| An extra double strain.   |                |
| —Jeanne Dionis.   | DIAN-12J. 30¢  |
| A pretty pure white variety.  |                |
| —Etincelani.  | DIAN-12T. 30¢  |
| Bright scarlet; 90% double.   |                |
| —Giants of Nice.  | DIAN-12G. 30¢  |
| Robust giants; 90% double.  |                |
| —Legion of Honor.   | DIAN-12L. 30¢  |
| Salmon-rose.  |                |
| —Marie Chabaud.   | DIAN-12Y. 30¢  |
| Pure yellow.  |                |
| —Nero.  | DIAN-12N. 30¢  |
| Blood-red flowers.  |                |
| —Rose Queen.  | DIAN-12Q. 30¢  |
| One of the best rose-colored varieties.   |                |
| —Ruby.  | DIAN-12R. 30¢  |
| Dark red.   |                |
| —Simon's Triumph.   | DIAN-12SM. 30¢ |
| A beautiful hardy double Carnation in all the best colors; a superior strain. Oz. \$2.50. |                |
| —Féart de Nice, Mixed.  | DIAN-12E. 30¢  |
| 75% true; 90% double; beautiful strain. 1/4 Oz. \$4.00.                                   |                |
| —Striped.   | DIAN-12ES. 30¢ |
| Flowers striped red. 1/4 Oz. \$4.00.  |                |

|   |               |
|---|---------------|
| —Teicher's Strain.  | DIAN-12T. 40¢ |
| Hardy Grenadin Carnations. Extra large flowered, mixed; fine color range; strong stems. Oz. \$5.00. |               |
| —Carnation Blend.   | DIAN-12X. 30¢ |

A blend of all types of Carnations.

|                             |  |
|-----------------------------|--|
| <b>Grenadin Carnations:</b> | Hardy border; 15 inches high; for the average grower and garden. |
| —King of the Blacks.        | DIAN-12GK. 30¢   |
| Dark velvety brown.         |  |
| —Rosy Morn.                 | DIAN-12GR. 30¢   |
| Pretty rose.                |  |
| —Scarlet Morn.              | DIAN-12GS. 30¢   |
| Best red variety.           |  |
| —White Queen.               | DIAN-12BW. 30¢   |

|                |                |
|----------------|----------------|
| —Yellow Queen. | DIAN-12GY. 30¢ |
| —Striped.      | DIAN-12GD. 30¢ |
| Red stripes.   |                |
| —Blend         | DIAN-12GX. 30¢ |

**D. HEDDEWIGII:** Hardy annual Pinks. Very easily grown and they come in some the prettiest and brightest colors imaginable; they are very showy.

|                       |                |
|-----------------------|----------------|
| —Fireball.            | DIAN-13HF. 25¢ |
| Deep scarlet; double. |                |

|                                 |                |
|---------------------------------|----------------|
| —Lacinated.                     | DIAN-13HL. 25¢ |
| Lacinated petals; mixed colors. |                |
| —Dwarf Single Mixed.            | DIAN-13SX. 25¢ |
| —Westwood Beauty.               | DIAN-13WB. 25¢ |

**Margaret Carnations:** Considered the most satisfactory Carnation for the average garden. It is early and, except where the winters are severe, it will live 3-4 years; if started early, it will flower the same season.

|                             |                |
|-----------------------------|----------------|
| —Choice Mixed.              | DIAN-12MX. 25¢ |
| Double flowers. Oz. \$2.00. |                |

|  |                 |
|--|-----------------|
| —New Giants. Mixed.                    | DIAN-12MNX. 25¢ |
| (Malmaison). Finest mixed. Oz. \$2.00. |                 |

**Hardy Dwarf Carnations:** These are biennial but best treated as annuals and if started early will flower the same season; they are excellent for summer bloom; 15"; double; bright colors.

|                      |                |
|----------------------|----------------|
| —Dwarf Vienna, Rose. | DIAN-12VZ. 25¢ |
| —White.              | DIAN-12VW. 25¢ |
| —Mixed.              | DIAN-12VX. 25¢ |

Any above Oz. \$2.00.

#### HYBRID PINKS:

|   |               |
|---|---------------|
| —Sweet Wivelsfield.                     | DIAN-66W. 25¢ |
| Distinct race; various shades; 12"; HP. |               |

|  |               |
|--|---------------|
| —La Bourbrille.                            | DIAN-68B. 25¢ |
| Very dwarf silver mats; pink fls; 12"; HP. |               |

**D. PLUMARIUS:** Grass or Clove Pinks. This is one of the best species for the border. They grow about 12" high and in both double and single flowers; the singles make a beautiful in the border. They all have a contrasting eye; are real hardy; germinate in 5 days.

|  |               |
|--|---------------|
| —semperflorens.                          | DIAN-99S. 25¢ |
| Florist Perpetual Pinks. Mixed. Oz. 90¢. |               |

|                                     |                |
|-------------------------------------|----------------|
| —Cyclops.                           | DIAN-99SC. 25¢ |
| Dark rose shades with carmine ring. |                |

|                               |                |
|-------------------------------|----------------|
| —Dwarf Harlequin.             | DIAN-99DH. 25¢ |
| Single perpetual; very pretty |                |

|  |                |
|--|----------------|
| —White fl. pl.   | DIAN-99WD. 25¢ |
| Florist strain in many choice colors and bright eye. Oz. \$2.00. |                |

|                          |               |
|--------------------------|---------------|
| —Plumarius Mixed.        | DIAN-99X. 25¢ |
| Oz. \$2.00; lb. \$22.00. |               |

#### DIANTHUS SPECIES:

|   |             |
|---|-------------|
| —Allwoodii.   | DIAN-2. 40¢ |
| Hybrids in a good color range; much like Plumarius. |             |

|  |             |
|--|-------------|
| —alpinus.  | DIAN-5. 30¢ |
| Flowers 1 1/2" ac; stems 2-4" various colors with eye; HP. Oz. \$1.00. |             |

|                 |              |
|-----------------|--------------|
| —albus.         | DIAN-5A. 30¢ |
| Rose; 1 ft; HP. |              |

|  |             |
|--|-------------|
| —arenarius.                                    | DIAN-9. 35¢ |
| Fringed fls; frag; white, cream, pink; 6"; HP. |             |

|                        |              |
|------------------------|--------------|
| —atrovirens.           | DIAN-15. 50¢ |
| A dark red race; Alps. |              |

|   |              |
|---|--------------|
| —caesius: see D. <i>gratianopolitanus</i> . |              |
| —carthusianorum.                            | DIAN-11. 40¢ |

|   |               |
|---|---------------|
| Clusterhead. Like Sw. Williams; many colors; 20"; HB. |               |
| —tenuifolius. (Schur)                                 | DIAN-11T. 50¢ |

|           |               |
|-----------|---------------|
| —tristis. | DIAN-11R. 40¢ |
|           |               |

- Collected in Bosnia.
- cruenatus*. Dian-43. 50¢
  - Blood-red terminal fls on 18" stems; HP.
  - crinatus*. Dian-40. 35¢
  - Solitary white fls; 12"; HP.
  - deloides*. Dian-45. 25¢
  - Maiden Pinks. Small rosy purple fls; turf-like foliage; 6"; HP.
  - Bowle's Variety*. Dian-45B. 30¢
  - Bronze foliage; vivid carmine fls; HP.
  - Brilliant*. Dian-45L. 25¢
  - A brilliant rich rose-pink; 6"; HP.
  - erecta*. Dian-45E. 30¢
  - Crimson fls on short erect stems; fine for RG.; 1/2 Oz. 80¢.
  - fragrans*. Dian-50. 30¢
  - Fragrant rose-white and spotted fls; 18"; Caucasus; HP.
  - furcatus*. Dian-53. 50¢
  - Pretty plant; solitary rose fls; 9"; Italian Alps; HP.
  - giganteus*. see *D. carthusianum*.
  - graniticus*. Dian-59. 40¢
  - True; fls 1" ac; purple; 6"; Pyrenees; HP.
  - gratianopolitanus*. Dian-59. 40¢
  - Cheddar Pinks. Mat forming; 8"; showy rose; HP.
  - graveolens*. Dian-60. 30¢
  - Hoppii*. Dian-66. 40¢
  - White fls tinged pink, deeply lacinated; cushion; HP.
  - hyssopifolius*. Dian-67. 30¢
  - (D. momspessulanus). Deeply fringed; fragrant; mixed; HP.
  - Kilaubelii*. Dian-70. 40¢
  - Knappii*. Dian-71. 30¢
  - Lemon-yellow; the only yellow Dianthus.
  - latifolius*. Dian-73. 30¢
  - Erect; 12"; rose to dark red; HP.
  - Liboschitzianus*. Dian-76. 30¢
  - White fls; 12"; HP; Caucasus.
  - monspessularius*: see *D. hyssopifolius*.
  - neglectus*. Dian-89. 30¢
  - Glacier Pink. Small crimson-pink fls with lighter eye.
  - prolifer*. Dian-101. 40¢
  - Little carmine-pink fls; small heads; 1 ft; RG; HA.
  - Roysii*. Dian-108. 50¢
  - Showy tufted small Pink; not entirely true from seed; rose colored fls.
  - Seguieri*. Dian-111. 40¢
  - A variable type of *D. chinensis*.
  - squarrosus*. Dian-117. 50¢
  - Cespitose; rose fls; Siberia.
  - Sternbergia*. Dian-118. 40¢
  - Rose and spotted fls; fragrant; Alps; HP.
  - subnegrlectus*: see *carthus'm pumilus*. (11)
  - strictus nitiger*. Dian-119N. 40¢
  - Small white fls; 10"; HP.
  - sylvestris*. Dian-126. 50¢
  - Wood Pinks. Rose, 1" ac; 10"; HP; Spain.
  - superbus*. Dian-125. 30¢
  - Red fls; excellent for cutting; 24"; HP.
  - tenuifolius*: see *D. carthusianorum*.
  - tristis*. Dian-132. 40¢
  - Clusterhead. Purple; 16"; HP; Bulgaria..
  - Winteri*. Dian-153. 40¢
  - Apricot to lemon-yellow; border type; blooms all summer.
  - Species Mixed*. Dian-SX. 40¢
  - Mixture of Above*. Dian-5. 40¢
- DICENTRA.** (dye-SENT-ruh)
- Bleeding Heart. Fumariaceae. Perennials with rose, yellow or white fls in racemes, thriving in a rich light soil.
- chrysanthia*. DICN-3. 40¢
  - Golden Ear-drops. Sulphur-yellow fls; 5 ft; HP; Calif.
  - oregana*. DICN-10. 50¢
  - (Glauca) Gray foliage and creamy pink locklets 8"; HP.
- spectabilis*. DICN-13. 40¢
- Bleeding Heart. Rosy red fls; 2 ft; HP.
- DICRANOSTIGMA.**
- (die-kray-no-S T I G-ma). Papaveraceae. Plants from Central Asia with orange or yellow fls; best in a light soil
- Franchetianum*. DICR-1. 25¢
  - Pretty bright fls, 1" ac; 1 ft; HB; with us it volunteers each sypring.
- DICTAMNUS.** (dik-TAM-nus)
- Rutaceae. Gas Plant; Burning Bush; Fraxinella. A garden favorite that makes large clumps with good sized and showy flowers with a strong lemon scent. They dislike transplanting and enjoy a rich soil; seeds germinate very slowly.
- albus*. DICT-1. 25¢
  - White flowers; HP.
  - purpurea*. DICT-1P. 25¢
  - A dark flowered variety.
- DIDICUS:** see *Trachymene*.
- DIERAMA.** (dye-er-RAY-muh)
- Iridaceae. S. Af. cormous plants hardy only in the South (IX); for culture same as Ixia or they can be grown under glass in N.
- Hypbrids*. DIER-1. 25¢
  - pendula*. DIER-2. 30¢
  - Basal lvs; white to mauve fls in drooping spikes; TBb.
  - pulcherrima*. DIER-3. 30¢
  - Bright purple fls; drooping spikes; 4 ft.
  - Mixed*. DIER-X. 25¢
- DIETES:** see *Moraea*.
- DIGITALIS**
- Scrophulariaceae. Fox Glove. Erect biennials and perennials favorites in the garden. Their stately spikes, 3 ft. high are crowded with thimble-like flowers, beautifully spotted. They are easily grown from seed sown in the spring or up to August for fls the following season.
- D. Purpurea:** The common Foxglove. It is a biennial and there are many improved forms and varieties being introduced in this species.
  - gloxinaeflora*. DIG-1. 25¢
  - Pink spotted fls, more open than in other forms.
  - The Shirley*. DIG-1S. 25¢
  - A giant hybrid in clear colors; extra choice; 5 ft.
  - maculata superba*. DIG-1MS. 25¢
  - A Holland grown strain.
  - monstrosa*. DIG-1M. 25¢
  - Very large strain in mixed colors for the large border. 1/4 Oz. 50¢.
  - White*. DIG-1W. 25¢
  - purpurea*. DIG-1A. 25¢
  - A collected type made in Austria.
  - Mixed*. DIG-1X. 20¢
  - A mixture of the above.
- OTHER SPECIES:**
- grandiflora*. DIG-7. 30¢
  - (D. ambigua) Yellow F. 3 ft; fls marked brown; HP.
  - laevigata*. DIG-8. 25¢
  - Yellow marked purple; 3 ft; HP.
  - lutzi*. DIG-12. 25¢
  - Hybrids in shades of salmon. 1/4 Oz. 45¢.
  - Thapsii*. DIG-25. 30¢
  - Purple species with pale throat, dotted red; 4 ft; HP; Spain.
  - Species Mixed*. DIG-SX. 25¢

**DIMORPHOTHECA.**

(dye-mor-foh-THEEK-uh). Cape Marigold. Compositae.

—*singuata*.

(*D. aurantiaca*). Orange-yellow marked brown; treat as a HHA.

—*pluvialis ringens*.

Pure white with ring around center.

—*Salmon Beauty*.

Attractive salmon shades. Oz. 90¢.

—*White Beauty*.

DIM-7W. 20¢

—*Buff Beauty*.

Extra dwarf bedding strain. Oz. \$1.30.

—*Golden West*.

DIM-7GW. 20¢

Golden yellow fls. Oz. 90¢.

—*Orange King*.

Ideal dwarf bedding plant; large orange fls. Oz. 90¢.

—*Mixed*.

DIM-7X. 20¢

**DIOSPYROS.**

(dye-OSS-pihr-os)

Trees and shrubs, some with edible fruits and others ornamental. Most species are not hardy in the North.

—*Lotus*.

DIOS-7. 40¢

Date-Plum. Tree to 40 ft; Japan. Oz. 85¢.

—*Kaka*.

DIOS-6. 50¢

Japanese P. Tr to 40 ft; orange fruits, 3" as; orange flesh. Oz. 75¢.

—*virginiana*.

DIOS-11. 30¢

Tr. to 50 ft; orange fruits; (IV). Oz. 50¢.

**DIPLARRHENA.**

Iridaceae. Tender Aust. and Tasm. plants belonging to the Belameanda and Sisyrinchium group.

—*Moraea*.

DIPL-1. 30¢

2 ft; whitish fls; similiar to the Moraeas.

**DISANTHUS.**

Hamamelidaceae. One species from Japan.

—*cercidifolius*.

DISA-1. 50¢

Shrub to 20 ft; fls dark purple to 5/8" ac. Oz. 75¢.

**DISPORUM.**

(dis-POH-rum)

Fairy-Bells. Lilaceae. Per. plants found in woods and grown in the wild garden. Flowers are solitary or in umbels, followed by a berried fruit.

—*oregano*.

DISP-6. 25¢

Creamy white fls; 2 ft; HP.

**DODECATHEON.** (doh-dek-KAYTH-ee-on)

Shooting Stars. Primulaceae. Small Am. perennials with nodding Cyclamen-like flowers in umbels on spikes; best in well drained places with a little shade; they are pretty.

—*Clevelandii*.

DODE-4. 35¢

Purple fls with yellow base, anthers yellow; S. Calif; 5"; HHP.

—*Cusickii*.

DODE-7. 30¢

Deep rose to lavender; 1 ft; HP.

—*Hendersonii*.

DODE-11. 50¢

Pale lavender to crimson; 5"; woodland soil; HP; Wash.

—*Meadia*.

DODE-17. 50¢

Reddish yellow fls with purple anthers; 6"; HP.

—*pauciflorum*. see *D. vulgare*.

DODE-25. 30¢

Rose or reddish fls, purple anthers; 5"; HP.

—*vulgare*.

DODE-33. 50¢

(*D. pauciflorum*). Best Shooting Stars; glowing carmine; 9"; HP.

—*Dodecatheon Blend*.

DODE-X. 25¢

25¢ for sample Saier's Garden Magazine.

**DODONAEA.** (dod-doh-NEE-uh)

Sapindaceae. Natives of warm regions.

—*cuneata*.

DODO-4. 25¢

Wedge-leaf Hop Bush. Sh to 6 ft; sandy loam; sun; Australia.

—*viscosa*.

DODO-12. 50¢

Shrub or small hardwood tr; small greenish fls followed by flat winged seeds; 15 ft; (X); N.Z.

—*Prypisea*.

DODO-12Y. 40¢

Beautiful autumn tinted tree; hybridized from the native species; N. Z.

—*purpurea*.

DODO-12P. 50¢

Attractive plant with bright purplish red foliage and showy winged seed of same color; rapid grower; does well in dry spots; 12 ft; (X); N.Z.

**DOLICHOS.**

(DOL-ik-oss)

Leguminosae. Rapid growing climbing annuals. 10 ft or more, with Wisteria-like fls followed by attractive pods; dislike transplanting; all TA; sow in the spring.

—*chinense*.

DOLC-2. 25¢

—*Lablab*.

DOLC-4. 25¢

Hyacinth Bean. Purple or white fls; fast growing climber. Oz. 50¢; lb. \$3.25.

—*Princess Helene*.

DOLC-4H. 25¢

Pure white; large clusters. Oz. 55¢. Small semi-deciduous tree from India; small white fls; TTr; (X).

—*enormis*.

DOLC-4E. 25¢

White Pearl. Very large fruits., Oz. 50¢

—*sudanensis*.

DOLC-4S. 25¢

Purple Sudan Hyacinth Bean. Very decorative. Oz. 45¢.

**DORONICUMS**

Leopard's Band. Compositae. Herbaceous perennials, daisy-like flowers in yellow; it blooms early in the spring; prefers sun and a rich soil; easy.

—*caucasicum*.

DORO-2. 25¢

Golden yellow; 2 ft; border; HP. 1/4 Oz.\$2.00.

—*magnificum*.

DORO-2M. 30¢

A more robust type with larger heads. 3 ft; HP.

—*cordifolium*.

DORO-5. 50¢

(*D. Columnae*) Solitary heads; 5"; HP.

—*grandiflorum*.

DORO-6. 50¢

*hirsutum*. v. *glacile*.

DORO-7. 50¢

—*Paedianthashes*.

DORO-12. 50¢

4 ft; HP; Europe.

—*Mixed*.

DORO-X. 25¢

**DOROTHEANTHUS.** (dor-oth-ee-ANTH-us)

—*bellidiformis*.

DORT-2. 25¢

Pink, red or white fls; TA.

—*gramineus*.

DORT-4. 25¢

(*Mesbryanthemum*) Pink, rose, white or red fls; TA.

**DOUGLASIA.**

(dug-LASS-ee-uh)

Primulaceae.

—*laevigata*.

DOUG-3. 35¢

Bright red fls; collected 5,000 ft. up Mt. Olympus; HP.

—*montana*.

DOUG-5. 35¢

Purple or lilac fls; Montana; HP.

—*Mixed*.

DOUG-X. 25¢

**DOVYALIS.**

(doh-LASS-ee-uh)

—*caffra*.

DOVY-1. 40¢

(*D. aberia*) Kei-apple; Ceylon; used for preserves; (IX).

This is the most complete Seed Catalog published anywhere in the world. Seeds are offered from almost every country.

|   |  |
|---|--|
| <b>DOWNINGIA.</b>   | (down-INJ-ee-uh)<br>Lobeliaceae. Small plants native of the W. Am; they are nice in the border.  |
| — <i>immaculata</i> .   | <b>DOWN-2.</b> 30¢<br>2-4 inch annual; rich soil; sun; HHA.  |
| <b>DOXANTHA.</b>  | (dox-ANTH-ah)  |
| — <i>Unguis-cati</i> .  | <b>DOXA-1.</b> 50¢<br>(Bignonia Tweediana) Cat's Claw. GH; bright yellow fls 4" ac; (VI). 100 seeds \$1.50   |
| <b>DRABA.</b>   | (DRAY-buh)<br>Cruciferae. Annuals, biennials and perennials; flowers are small and dainty, in white, rose, yellow or purple, in terminal racemes; they are very hardy and excellent in the rockery; if sown late in the fall they germinate quickly in the spring. |
| — <i>aizoides</i> .   | <b>DRAB-1.</b> 30¢<br>Tufted plant; basal rosettes; yellowish fls; 4 inches; HP.   |
| — <i>pyrenaica</i> : see <b>Petrocallis pyrenaica</b> .                     |  |
| —Draba Mixed.   | <b>DRAB-X.</b> 40¢   |
| <b>DRACAENA.</b>  | (dras-SEEN-uh)   |
| — <i>Draco</i> .  | <b>DRAC-4.</b> 50¢<br>Dragon Tree. To 60 ft.; (IX); 100 seeds \$1.50; 1,000, \$8.00.   |
| — <i>indivisa</i> : The greenhouse Dracaena—see <b>Cordyline indivisa</b> . |  |
| <b>DRACOCEPHALUM.</b>   | (dray-koh-SEF-ah-um). Dragonhead. Labiate. Hardy annuals and perennials with blue, purple or white flowers in whorls; they make pretty groups in moist shady spots in the border; easy from seed.  |
| — <i>diothiocum</i> .   | <b>DRPH-6.</b> 30¢<br>Erect bushy HA carrying many spikes of long-lasting violet-blue fls; foliage lemon scented; July-Sept; 1-2 ft; space 1 ft.   |
| — <i>dostia</i> .   | <b>DRPH-7.</b> 25¢   |
| — <i>Forrestii</i> .  | <b>DRPH-8.</b> 35¢<br>Blue-purple fls in whorls; 18"; HP; China.   |
| — <i>Moldavica</i> .  | <b>DRPH-14.</b> 25¢  |
| — <i>rupestris</i> .  | <b>DRPH-20.</b> 35¢  |
| — <i>Ruysschiana</i> .  | <b>DRPH-21.</b> 50¢<br>Blue fls; 2 ft; HP; Siberia.  |
| — <i>tanguticum</i> .   | <b>DRPH-26.</b> 50¢<br>Blue fls, 1" long; Mongolia; 2 ft; HP.  |
| —Dracacephalum Mixed  | <b>DRPH-X.</b> 25¢   |
| <b>DRACUNCULUS.</b>   | (dray-KUNK-yew-lus)<br>Araceae. Tuberous plants native of the Medit. regions; grown in the South or in the GH in the North.  |
| — <i>vulgaris</i> .   | <b>DRAK-4.</b> 25¢<br>Hardy to (V) zone in sheltered places.   |
| <b>DROSERA.</b>   | (DROSS-er-uh)<br>Sun-dew. Droseraceae. They can be grown under glass; muddy loam and sphagnum is good soil; native of swamps.  |
| — <i>filiformis</i> .   | <b>DROR-1.</b> 30¢<br>Bright purple fls interesting for terrarium; sow in early spring in sand and peat.   |
| <b>DRYAS.</b>   | (DRY-as)<br>Rosaceae. Mountain Avens. Dwarf evergreen prostrate plants for the rockery; very hardy in well drained porous soils.   |
| — <i>octopetala</i> .   | <b>DRYA-5.</b> 30¢<br>White fls, 1½" ac; erect; HP.  |
| — <i>minor</i> .  | <b>DRYA-5M.</b> 50¢<br>A very dwarf form; RG.  |

Please do NOT write letters on orders!

|   |   |
|---|---|
| <b>DUCHENSEA.</b>                             | (dew-KEES-nee-ah)<br>Indian or Mock Strawberry. Rosaceae. Perennials fro Asia; trailing branches; flowers yellow followed by fruits; used as a ground cover or in hanging baskets.  |
| — <i>indica</i> .                             | <b>DUCH-1.</b> 30¢<br>Very decorative; fruits look like Strawberries.   |
| <b>DURANTA.</b>                               | (dew-RANT-uh)   |
| — <i>repens</i> .                             | <b>DURA-3.</b> 50¢<br>Pigeon Berry; Sky-Flower. Tree to 18 ft; (X). Oz. \$1.00.   |
| — <i>variegata</i> .                          | <b>DURA-3V.</b> 40¢<br>With variegated voliage.   |
| <b>DYCKIA.</b>                                | (DIK-ee-uh)<br>Stemless succulents, in basal rosettes and with yellow or orange flowers in racemes or panicles; planted outdoors in far South.  |
| — <i>sulphurea</i> .                          | <b>DYCK-6.</b> 30¢<br>Yellow fls, ½ inch long; 1 ft; Brazil; TP.  |
| <b>EBENOPSIS.</b>                             | (eb-en-OP-sis)<br>Luguminosae. Sub-tropical trees and shs; suitable for mild sections of the country.   |
| — <i>flexicaulis</i> .                        | <b>EBEN-1.</b> 30¢<br>Texas Ebony. Tree or shrub; fragrant yellow fls; S. Texas.  |
| <b>ECCREMOCARPUS.</b>                         | (e-krem-oh-KAHR-pus) Glory-Flower. Bignoniacae. Climbing shrubs from Chila; tubular fls, yellow, orange or scarlet in terminal racemes followed by fruits. Grow it as a tender annual in the North, but it is a perennial in the South.                                 |
| — <i>scaber</i> .                             | <b>ECCR-1.</b> 30¢<br>Orange-red fls; start early; warm situations; 12 ft.  |
| <b>ECHEVERIA.</b>                             | (ek-ev-VEER-ee-uh)<br>Crassulaceae. American succulent plants with broad leaves in rosettes and flowers in spikes, racemes or panicles; culture as with Sempervivums.   |
| — <i>elegans</i> .                            | <b>ECHE-34.</b> 30¢<br>Stemless; very succulent; pinkish fls, with white tips.  |
| <b>ECHINACEA.</b>                             | (ek-i-NAY-she-ah)<br>Cone Flower. Crassulaceae. Native per. closely related to Rudbeckia; bushy growth and daisy-like flower heads, often 6" across; they are fine in the border and for cutting, blooming for 2 months. They thrive in rich sandy loams in dry places. |
| — <i>angustifolia</i> .                       | <b>ECHI-1.</b> 30¢<br>Showy plant for dry border; rose to purple fls; 3 ft; HP.   |
| — <i>purpurea</i> .                           | <b>ECHI-4.</b> 25¢<br>Purple Coneflower. Purple cones; 5 ft; HP.  |
| —Earliest of All.                             | <b>ECHI-4E.</b> 25¢<br>A nice new variety; very early.  |
| —Mixed.                                       | <b>ECHI-X.</b> 20¢  |
| <b>ECHINOCEREUS:</b> see under <b>Cacti</b> . |   |
| —Mixed Echinocereus.                          | <b>ECHO-X.</b> 40¢  |
| <b>ECHINOPS.</b>                              | (EK-in-ops)<br>Globe Thistle. Compositae. Thistle-like biennials and perennials with flowers in round heads. They are decorative in the border and easily grown from seed.  |
| — <i>exaltatus</i> .                          | <b>ECHN-4.</b> 20¢<br>(E. Ritro) Steel-blue fls; 2 ft; good ever-   |

lasting fls; HP. Oz. 50¢.

ECHN-7. 30¢

—*ruthenicus*.

A form of *E. exaltus*.

—*sphaerocephalus*.

Tall; 6-8 ft; heads 2" ac; HP; (V). Oz. 50¢.

—*Mixed*.

ECHN-8. 30¢  
ECHN-X. 20¢

## ECHIUM

Viper's-Bugloss. Boraginaceae. Annuals, biennials and perennials thriving in rather poor soil and sunny spots. Flowers are in blue, purple, rose or white, in coiled racemes. They are warm region plants and are grown out doors in the far South. *E. vulgare* is a fine bee food in waste places.

—*Bourgaeanum*.

Shrub to 10 ft; (IX). Oz. 65¢.

—*fastuosum*.

Shrub; 6 ft; dark blue fls; red stems; (VIII). 100 seeds \$1.00; ,1000, \$3.75.

—*plantagineum*.

Blue and light purple fls; HA or HB; 3 ft.

—*pomponicum*.

ECHM-8. 30¢

—*rubrum*.

Red fls in narrow panicles; 3 ft; HB. 100 seeds \$1.00; 1,000, \$5.00.

—*vulgare*.

Blue Weed. For bee food on poor soil; HB. Lb. \$1.75.

—*Blue Bedder*.

ECHM-12B. 25¢

New compact, bright blue fls; 1 ft; HB.

—*Mixed*.

ECHM-X. 20¢

## EDRAIANTHUS.

(ed-er-AN-thus)

Campanulaceae. Low tufted perennials from the Balkan regions and related to Wahlenbergia. Good RG plant; 6-12" ac; easily grown from seed.

—*Mixed*.

EDRA-X. 35¢

## EHRETIA.

(er-RET-te-ah)

Boraginaceae. Tropical trees and shrubs suitable for the far South. They are interesting and ornamental.

—*laevis*.

EHRE-3. 35¢

## EKEBERGIA.

—*capensis*.

Dark green lvs; evergreen; 35 ft; S. Af.

EKEB-3. 50¢

## ELAEAGNUS.

(el-ee-AG-nus)

Elaeagnaceae. Ornamental small trees and shrubs. They are hardy and easily grown in any well drained soil; stratify the seed, if possible and sow in the spring or they can be sown in late fall.

—*angustifolia*.

Russian Olive. (III). d.b., 50¢ lb; c.s. lb. \$1.60.

—*commutata*.

Silver Berry.. 12 ft. c.s. Oz. 40¢; lb. \$2.50.

ELAE-1. 30¢

ELAE-3. 35¢

## ELAEIS.

ELAS-1. 50¢

—*guineensis*.

African Oil Palm. Grown in far S for ornament; valuable for its oil-bearing fr. 100 seeds \$5.00; 1,000, \$30.00.

**NOTE:** Usually Palm seeds are best when fresh; if you need them in any quantity it is always best to book ahead; it will not be necessary to remit with the order.

## ELAEODENDRON.

(el-ee-oh-DEN-dron)

—*capense*.

Evergreen shrub; grown in GH; (X). 100 seeds 95¢.

ELAO-1. 50¢

**PRINT THE SYMBOLS WHEN ORDERING**

## ELSHOLTZIA.

(el-SHOLT-see-uh)

Labiatae. Plants and shrubs having dense spikes of small blue or lilac fls; sunny spots to get flowers; sow in the spring.

—*Stauntonii*.

Shrub to 5 ft; fls lilac-purple, in dense 1-sided spikes, 8" long; SEPT-OCT; (IV); N. China.

ELSH-7. 25¢

## EMBOTHRIUM.

—*coccineum*.

Shrub; scarlet fls; (IX). 100 seeds \$2.00.

## EMILIA.

(em-MILL-ee-uh)

Tassel-Flower. Compositae. Annuals and perennials of low neat habit; native of the tropics. The slender stems are tipped by small rayless many colored heads surrounded by white bristles; grow as a TA in the N; sun; fls July till frost; they were formerly listed under Cacalia.

—*sagittata*.

Fls ½" ac; in loose corymbs; 2 ft; TA.

—*coccinea*.

Small red flowered variety.

—*aurea*.

Golden yellow variety.

—*lutea*.

Orange flowered.

—Emilia or Cacalia Mixed.

EMIL-X. 20¢

## ENCELIA.

(en-ESEL-ee-uh)

—*calva*.

ENCE-3. 30¢

Perennial to 2 ft; yellow Aster-like fls; hardy in dry soils; RG. Oz. 70¢.

## ENKIANTHUS.

(en-ke-AN-thus)

Hardy deciduous shrubs native of Asia. They are of attractive upright growth with long slender clusters of nodding flowers in the spring. They thrive in moist, light soils with peat or leaf mould; easily grown from seed; fairly hardy in the North; (Ericaceae).

—*perulatus*.

(E. campanulata) Urn-shaped fls; 6 ft; white. Oz. \$1.50.

ENKI-7. 75¢

## ENTELEA.

(n-tel-EE-ah)

One large-leaved shrub; to 20 ft; N. Z.

—*arborescens*.

Attractive vigorous growing sh; Mulberry shaped lvs; beautiful white fls; very handsome; 10 ft; (XI); N. Z.

ENTE-1. 50¢

## ENTEROLOBIUM.

—*Timbouva*.

Elephant's Ear. (X). 100 seeds \$1.50.

ENTR-3. 50¢

## EPIDENDRON.

(ep-id-DEN-dron)

Orchidaceæ. Epiphytic tropical American Orchids, grown same as Cattleyas.

—*radicans*.

Crucifix Orchid. Terminal racemes of many vermillion colored fls 1" across.

EPID-44. \$1.00

## EPILOBIUM.

(ep-il-LOH-bee-um)

Hardy plants suitable for damp places or in the wild garden.

—*augustifolium*.

Fire Weed. Purple fls 1" ac in terminal racemes; 8 ft; HP.

EPIL-4. 30¢

—*rigidum*.

Rare; RG; 1 inch high; vivid rose-pink fls; pretty 4" mats; HP.

EPIL-28. 50¢

## EREMURUS.

(er-ee-MEU-rus)

Desert Candle; Foxtail Lily. Lilaceæ. Spectacular plants up to 8 feet high, clothed for half their height with close-set starry

blooms that lasts for several weeks. Thrive in a rich fibrous well drained soil having some sand; sunny places; seedlings develop slowly; hardy in the N with winter protection; cover with leaves and a water-tight box placed over them to shed winter rains.

—*Elwesii*. **EREM-6. 50¢**  
Pink fls with deeper band down center; 3 ft; HHP.

### ERANTHIS. (ee-RAN-this)

Winter Aconite. Ranunculaceae.  
Small tuberous rooted hardy perennials with bright Buttercup-like flowers and whorls of shiny leaves in early spring, flowering with the Snowdrops. They are very pretty and some should be in every RG or border. Bulbs can be had in the fall. See Bulb List.

—*hyemalis*. **ERAN-1. 30¢**  
Golden yellow fls, 1½" ac; 6 inches high.  
—*cilicia*. **ERAN-1C. 30¢**  
Has broader sepals.

**ERICA.** (ER-i-kah)  
One of the Heathers; evergreen shrubs, very attractive for mild climates. Needle-like leaves; lime-free soil. A few are hardy in Zone (IV) with some protection; they also make beautiful pot-plants for the GH; use fibrous peat and coarse sand in potting.

—*australis*. **ERIC-2. 30¢**  
Purple-red fls in terminal clusters; 4 ft; spring bl; HHP.  
—*capensis* Varieties Mixed. **ERIC-8X. 50¢**  
—*Springwood White*. **ERIC-10S. 50¢**  
9 in. high; good white.  
—*praecox rubra*. **ERIC-10R. 50¢**  
A pretty deep red; 6"; HHSh.  
—*Red*. **ERIC-10D. 30¢**  
Twisted Heather; red fls; 12". Oz. 70¢.  
—*White*. **ERIC-10A. 30¢**  
—*vivellii*. **ERIC-10V. 50¢**  
Lavender-red fls; 9 inches; HHSh.  
—*cinerea alba*. **ERIC-18. 40¢**  
Twisted H. White fls; June-Aug; 2 ft.  
—*atrosanguineum*. **ERIC-18G. 40¢**  
Blood-red fls; July-Aug; 2 ft; HHSh.  
—*Rose Queen*. **ERIC-18R. 40¢**  
Rose-pink fls; July-Aug; 9-12"; HHSh.  
—*mediterranea* Mixed. **ERIS-38X. 40¢**  
—*W. F. Rackliff*. **ERIC-38R. 50¢**  
Large flowering white; Jan-March; 1 ft.  
—*alba*. **ERIC-38A. 50¢**  
Dwarf form; 10 inches; white fls.  
—*Tall Form*. **ERIC-38M. 50¢**  
2-3 ft; white flowers.  
—*subdivaricata*. **ERIC-53. 35¢**  
Rose or white fls; 2 ft; fls in racemes; S. Africa.  
—*terminalis*. **ERIC-56. 50¢**  
Pink fls; 3-5 ft; HSh.  
—*persoluta*: see *E. subdivaricata*.  
—*umbellata*. **ERIC-57. 30¢**  
Flesh to rose-pink in terminal umbels; 3 ft; HHSh.  
—*Veitchii*. **ERIC-60. 30¢**  
Hybrid between *E. aborea* and *lusitanica*; white flowers.  
—*Erica Mixture*. **ERIC-X. 25¢**

### ERIGERON

Annuals and perennials resembling wild Asters; in white, rose or violet ray-flowers. They are easy to grow in the border or wild garden; a few are nice RG plants; (Compositae).

—*aurantiacus*. **ERIG-6. 30¢**  
Double orange Daisy. 1-2 inch heads; 10 inches high; HP.

—*compositus*. **ERIG-17. 30¢**  
Rays white or purplish; 2 in. high; HP.  
—*concinnus*. **ERIG-18. 30¢**  
Small blue fls; May-August; easy; HP.  
—*Coulteri*. **ERIG-20. 30¢**  
Large white flowered species; moist woods; 10"; HP.  
—*glabellus*. **ERIG-27. 30¢**  
Violet or purple rays, 2" across; 15"; HP.  
—*lusitanica*. **ERIG-36. 40¢**  
Pink or white fls; 12 ft. shrub.  
—*mucronatus*: see *Karvinskianus*.  
—*macranthus*. **ERIG-40. 30¢**  
Lilac-purple; 30"; fine clumps in border; HP.  
—*multiradiatus roseus*. **ERIG-44. 30¢**  
Rose fls, 3" ac; 1 ft; HP.  
—*salsuginosus*. **ERIG-55. 30¢**  
Large blue fls, 2" ac; 1½ ft; very hardy.  
—*speciosus*. **ERIG-57. 30¢**  
Dark violet; 2 ft; HP.  
—*Karvinskianus*. **ERIG-35. 50¢**  
Blooms first year from seed; white rays; 18", decumbent; border; Mexico.  
—*Erigeron Mixed*. **ERIG-X. 25¢**

### ERINUS. (er-RYE-nus)

Hardy tufted perennials for the RG or for edging. They are 3-4 inches high and do best in partial shade and with good drainage.

—*alpinus*. **ERIN-1. 30¢**  
Purple fls, ½" ac; HP.  
—*Dr. Hannelle*. **ERIN-1H. 30¢**  
Carmine-red and comes true from seed; 3"; HP.

### ERIOBOTRYA. (ee-ree-oh-BOT-ree-ah)

Loquat. Rosaceae. Asian evergreen trees and shrubs; ornamental; (X).

—*japonica*. **ERIB-1. 50¢**  
Ornamental pot plant in North; out doors in (IX) zone.

### ERIOGONUM. (ee-ree-GOH-num)

Polygonaceae. Natives of western U. S., requiring a well drained peaty soil and a sunny position; fine for the rockery.

—*flavum Piperi*. **EGON-9. 30¢**  
Yellow fls; 8"; April-May; HP.  
—*Jamesonii*. **EROG-15. 40¢**  
—*microthecum*. **EGON-17. 30¢**  
Gray-white mounds; white to rose flower heads; 6"; HP.  
—*nudum*. **EGON-20. 30¢**  
White or yellow flower heads; poor soil; 1 ft; HP.  
—*ovalifolium*. **EGON-23. 30¢**  
Bright yellow flower heads; dry soil; RG; sun; 3-6 inches; HP.  
—*pyrolaeifolium*. **EGON-27. 30¢**  
Tufted; white to red flower heads; dry soil; RG; 4 inches high; HP.  
—*racemosum*. **EGON-30. 50¢**  
White or pinkish fls; 2½ ft; HP; Colo.  
—*subalpinum*. **EGON-32. 30¢**  
Sulphur Plant. Yellowish white heads; May-June; 1 ft; HP.  
—*Eriogonum Mixed*. **EGON-X. 25¢**

**ERIOPHYLLUM. (ear-ee-oh-FILL-um)**  
Compositae. Annuals and perennials of Western U. S.. Flowers yellowish ray and disks; grown in dry places.

—*intergrifolium*. **ERIO-4. 30¢**  
Small Oregon Sunshine. Showy; May-Aug; 1 ft; HP.  
—*lanatum*. **ERIO-6. 30¢**  
Oregon Sunshine. Golden fls; dry places; 12-18 inches; HP.  
—*lanceolatum*. **ERIO-8. 30¢**  
Grows on hot rocks in crevices; 2-4 in;

a real gem; good though subject.

—*Eriophyllum* Blend.

**ERIO-X. 25¢**

### ERODIUM.

(ee-ROyH-dee-um)

Heron's-bill. Geraniaceae. Annuals and perennials suitable for the RG or border; best in gritty loam with some lime; sunny location; they have a long blooming period.

—*absinthioides*.

**EROD-1. 50¢**

(olympicum). Violet fls, 3/4" ac; 8"; HP.

—*supracanum*.

**EROD-28. 50¢**

Pink lined with rose; lvs basal; 4"; HP.

### ERYNGIUM.

(e-RIN-je-um)

Sea Holly; Eryngio. Umbelliferae.

The steel-blue or gray foliage of the larger species is most attractive in the border and the smaller kinds for the rockery. Some species make excellent cut-flowers which can also be dried. Best in light rich soil and an open sunny place; most species are perennial; best to sow seed in the late fall to germinate in the spring.

—*alpinum* v. *superbum*.

**ERYN-2S. 35¢**

Light blue; June-July; germinates best in light; HP.

—*giganteum*.

**ERYN-9. 30¢**

Blue or pale green fls; 6 ft; HP. Oz. 95¢

—*Leavenworthii*.

**ERYN-11. 35¢**

(Eringo) Purple-violet flower heads; July-Oct; dry sunny places; showy; 1-2 ft; HP.

Oz. \$1.10.

—*planum*.

**ERYN-16. 30¢**

Very ornamental; sky-blue fls, 1/2". long heads; 3 ft; HP. Oz. 80¢

—*Eryngium* Mixed.

**ERYN-X. 25¢**

### ERYSIMUM.

(e-RIS-im-um)

Blister Cress. Cruciferae. These closely resemble Wallflowers; flowers white, yellow or lilac. They thrive in a sunny exposure; easy to grow. Most are excellent for the rockery and the biennials and perennials are hardy; sow where they are to grow.

—*asperum*.

**ERYS-1. 30¢**

(Allionii) Dwarf compact, deep orange; 1 ft; HA.

—*Orange Queen*.

**ERYS-1Q. 30¢**

A very pretty orange variety; HA.

—*Golden Bedder*.

**ERYS-1G. 30¢**

New; golden yellow; 1 ft; HA.

—*linifolium*.

**ERYS-13. 30¢**

Low clumps; lilac fls; 1 ft; HP.

—*murale*.

**ERYS-14. 30¢**

Golden yellow fls in racemes; HB but grow as HA; 20 inches high.

—*Peroftskianum*.

**ERYS-20. 30¢**

Blister Cress. Orange-yellow fls; HA; Oz.

75¢.

**ERYS-22. 50¢**

Deep orange fls; 6-24 inches; cespitose;

HP; Greece.

**ERYS-23. 50¢**

—*pumilum*.

Sulphur-yellow fls; 6"; HP; Europe.

—*Wittmanii*.

**ERYS-30. 30¢**

—*Erysimum* Mixed.

**ERYS-X. 25¢**

### ERYTHEA.

(ehr-THEE-ah)

Mexican Palms of low growth and planted in the far South; germinates in 70 days.

—*armata*.

**ERYH-1. 50¢**

(Brahea glauca) Mexican Blue Palm; (X).

10 seeds 50¢; 100, \$3.00; 1,000, \$12.00.

—*Roezii*.

**ERYH-1H. 50¢**

Mexican Blue Palm. to 40 ft; sometimes listed under Brahea. 100 seeds \$1.50; 1,000, \$8.00.

—*edulis*.

**ERYH-3. 50¢**

(Brahea edulis) Guadelupe Palm; (X). 100 seeds \$4.00; 1,000 \$9.50.

### ERYTHRINA.

(chr-ith-RYE-nuh)

Coral Tree. Leguminosae. Trees and sh. grown in the South; showy red and reddish or yellowish flowers followed by long pods. The herbaceous kinds ore grown under glass.

—*Corallodendron*.

**ERTH-4. 30¢**

Tree to 20 ft; pretty scarlet fls; Columbia.

—*Cristi-gallii*.

**ERTH-5. 50¢**

(Blakii) Coral-Tree. Crimson fls; showy; (X). 100 seeds \$2.00.; 1,000, \$9.00.

—*humeana*.

**ERTH-12. 30¢**

Collected in South Rhodesia.

—*indica*.

**ERTH-11. 30¢**

Tall tr with dense short racemes of scarlet flowers; pretty.

—*alba*.

**ERTH-11A. 35¢**

White flowered form; good shade tree.

—*tomentosa*.

**ERTH-22. 35¢**

Collected in Columbia.

—*Erythrina* Mixed.

**ERTH-X. 25¢**

### ERYTHRONIUM.

(er-i-THROH-ne-um)

Trout-Lily, Adder's Tongue. Liliaceae.. Early spring blooming bulbous plants with graceful nodding flowers and often richly mottled leaves; they are nice in the rockery or wild garden for a part shaded nook; rich light soil, mulched in the winter with leaves.

—*citrinum*.

**ERYT-5. 35¢**

Lemon-yellow to white; Ore-Cal; 8"; HP.

—*Hendersonii*.

**ERYT-9. 35¢**

Purple fls; mottled lvs; 1 ft; HP.

### ESCHSCHOLZIA

Papaveraceae. Western N. Amer. natives with showy yellow flowers; grow as annuals; plant early in the spring.

**SINGLE FLOWERED VARIETIES:** Very showy in masses; all 50¢ per Oz. lb. \$3.00.

—*Carmine King*.

**ESCH-1C. 20¢**

This is the best carmine variety.

—*Dainty King*.

**ESCH-1D. 20¢**

Dainty, pretty soft pink; beautiful.

—*Dazzler*.

**ESCH-1L. 20¢**

Erect, compact; flashing scarlet; showy.

—*Golden West*.

**ESCH-1G. 20¢**

One of the best bright yellows; with an orange center.

—*Mandarin*.

**ESCH-1M. 20¢**

Inside petals orange; outside scarlet.

—*Mikado*.

**ESCH-1K. 20¢**

A very showy orange-crimson.

—*Orange Flame*.

**ESCH-1F. 20¢**

Vivid orange-scarlet; showy in masses.

—*Orange King*.

**ESCH-1R. 20¢**

A very showy orange.

—*Rose Cardinal*.

**ESCH-1N. 20¢**

A beautiful carmine-pink.

—*Scarlet Beauty*.

**ESCH-1S. 20¢**

Probably the best scarlet variety.

—*Tango*.

**ESCH-1T. 20¢**

Bronzy red and terra cotta.

—*The Geisha*.

**ESCH-1H. 20¢**

Brilliant gold and crimson; showy.

—*Vesuvius*.

**ESCH-IV. 20¢**

Showy Wallflower-red.

—*White Emperor*.

**ESCH-IW. 20¢**

The best pure white.

—*Red Chief*.

**ESCH-1RC. 20¢**

A real fiery red color.

—*Blend of Above Varieties*.

**ESCH-1X. 20¢**

**CALIFORNICA** FL. PL: Double flowering. All \$1.00 per ounce.

—*Creamy Crinkles*.

**ESCH-3A. 20¢**

Apricot-buff; a real showy variety.

—*Flambeau*.

**ESCH-3F. 20¢**

Rich orange-scarlet.

—*Golden Glory*.

**ESCH-3G. 20¢**

Deep golden orange-yellow. orange cent-

|                                    |              |  |  |
|------------------------------------|--------------|--|--|
| er; pretty.                        |              |  |  |
| —Robert Gardiner.                  | ESCH-3R. 20¢ |  | Spreading tree; source of a valuable perfume; 50-75 ft.  |
| A showy orange.                    |              |  |  |
| —Sunbeam.                          | ESCH-3B. 20¢ |  | —macrocarpa. EUCA-166. 50¢   |
| —Sweetheart.                       | ESCH-3S. 20¢ |  | Coolgardie Rose. Largest flowered of all the Eucalyptus; brilliant red fls up to 5" across; decorative seed vessels; shelter from winds; good drainage; dry places; large glaucous lvs; 10 ft. |
| Rose on a cream ground; pretty.    |              |  |  |
| —Mixed Doubles.                    | ESCH-3X. 20¢ |  | —macrorrhyncha. EUCA-168. 50¢  |
|                                    |              |  | String-bark. Good tree for dry places; 50 ft.  |
| ESPOSTOA: see in List under Cacti. |              |  | —marginata. EUCA-176. 50¢  |
|                                    |              |  | Jarrah. Valuable W. Aust. timber tree for coast; 50-100 ft.  |
|                                    |              |  | —Maidenii. EUCA-175. 50¢   |
|                                    |              |  | Fine Aust. tree for mountain and slope areas; 50-100 ft.   |
|                                    |              |  | —meliiodora. EUCA-182. 50¢   |
|                                    |              |  | Yellow Box. Attractive fast growing shade and honey tree; 60 ft.   |
|                                    |              |  | —obliqua. EUCA-200. 50¢  |
|                                    |              |  | Messmate. Tall tree best in rich soils; coasts or slopes; 60-200 ft.   |
|                                    |              |  | —occidentalis. EUCA-203. 50¢   |
|                                    |              |  | W. Australian tree for clayey loams; 50-80 ft.   |
|                                    |              |  | —paniculata. EUCA-220. 50¢   |
|                                    |              |  | Large Australian tree for coast or slopes.   |
|                                    |              |  | —pilularis. EUCA-224. 50¢  |
|                                    |              |  | Black-butt. Tall straight tree for slopes and coastal areas.   |
|                                    |              |  | —piperita. EUCA-225. 50¢   |
|                                    |              |  | Stringy-bark. Small to medium tr; rather spreading habit; white fls.   |
|                                    |              |  | —polyanthemos. EUCA-229. 50¢   |
|                                    |              |  | Red Box. Spreading and very floriferous ornamental tr for inland areas; 40 ft.   |
|                                    |              |  | —Preissiana. EUCA-231. 50¢   |
|                                    |              |  | One of the W. Aust. flowering Gums; large golden yellow fls; coasts or slopes; 8-10 ft.  |
|                                    |              |  | —pyriformis. EUCA-236. 50¢   |
|                                    |              |  | Large red fls, 4" ac; golden anthers; very pretty sh; give shelter; 10 ft.   |
|                                    |              |  | —resinifera. EUCA-244. 50¢   |
|                                    |              |  | Large tree for light sandy soils on coasts.  |
|                                    |              |  | —rostrata: see E. camaldensis.   |
|                                    |              |  | —rudis. EUCA-250. 50¢  |
|                                    |              |  | Spreading Australian tree; 50 ft.  |
|                                    |              |  | —saligna. EUCA-252. 50¢  |
|                                    |              |  | Tall shaft-like tr for mt. or coast; 60 ft.  |
|                                    |              |  | —sideroxylon. EUCA-269. 50¢  |
|                                    |              |  | Iron-bark. White fls; 50 ft. gray leaves.  |
|                                    |              |  | —snowwaa-di. FIJICA-284. 50¢   |
|                                    |              |  | Large yellow fls; dwarf; sandy soil; 8 ft.   |
|                                    |              |  | —sweatjana. FUCA-288. 50¢  |
|                                    |              |  | Apple Box. Spreading tr; 50 ft.  |
|                                    |              |  | —tectorumis. EUCA-290. 50¢   |
|                                    |              |  | A fine tall tree.  |
|                                    |              |  | —viminalis. EUCA-310. 50¢  |
|                                    |              |  | Ribbon Gum. Good shade tree for parks; mountain; 80 ft.  |
|                                    |              |  | EUCOMIS. (YEW-kom-iss)   |
|                                    |              |  | Liliaceae. S. Af. bulbous plants with basal leaves in rosettes. Easy in warm climates or a GH subject in the North.  |
|                                    |              |  | —amara. FIUCO-2. 35¢   |
|                                    |              |  | Pineapple Flower. 2 ft; fls green; lvs are ornamental; resembles green Pineapple.  |
|                                    |              |  | —dulata. EUCO-8. 30¢   |
|                                    |              |  | Large greenish fls, 3/4" ac in dense racemes.  |
|                                    |              |  | EUGENIA. (yew-JEEN-ee-ah)  |
|                                    |              |  | Myrtaceae. Tropical evergreen shrubs and trees. They are favorite subjects in the far South for their ornamental flowers and foliage as well as edible fruits; easily grown.                   |
|                                    |              |  | —uniflora. EUGE-26. 30¢  |
|                                    |              |  | Surinam Cherry. Sh. to 25 ft; white fragrant fls; fruit edible; TSh.   |
|                                    |              |  | —myrtifolia: see E. paniculata v. australis.   |

- paniculata australis*. EUGE-26A. 40¢  
A more bushy small tree; white fls; fruits excellent for jelly; Australia.
- EULALIA japonica**: see **Misanthus sinensis**. A hardy ornamental grass.
- EUONYMUS**. (yu-ON-ee-mus)  
Spindle Tree. Celastraceae. Shrubs and small trees with attractive foliage and showy fruits in the fall; easily grown and not particular as to soil. Best to sow seed as soon as harvested in the fall to germinate in the spring.
- alus*. EUON-1. 50¢  
Deciduous sh; 8 ft; purplish fruits; China.  
Lb. \$2.00.
- atropurpureus*. EUON-3. 30¢  
Wahoo; Burning Bush. Celastraceae. Shs to 20 ft; scarlet fr; hardy; (IV).
- intermedia*. EUON-3T. 30¢  
With bright red fruits.
- japonicus*. EUON-15. 30¢  
Evergreen sh; 15 ft; (V). Lb. \$2.25.
- Mixed*. EUON-X. 25¢
- EUPATORIUM**. (yew-pat-TOH-ee-um)  
Thoroughwort; Boneset. Compositae. A large genus with ornamental greenhouse subjects; some are for the border or wild garden. They are all easily grown from seed.
- cannabinum*. EUPT-9. 25¢  
Snow-on-the-Mountain. HA pale purple heads; 6 ft.
- Lasseauxii*. EUPT-20. 25¢  
Heads white, changing to rose; 2 ft; TA.
- maculatum*. EUPT-26. 25¢  
Joe-Pye-Weed. Pink or purple fl-heads; 8 ft; TA.
- purpureum*. EUPT-32. 25¢  
Grows to 10 ft; lvs in whorls; purple fls.
- rugosum*. EUPT-34. 40¢  
White Snake-root. White heads; 4 ft; HP.
- sordidum*. EUPT-42. 50¢  
Shrub; violet heads; Mexico; (X).
- Mixed Eupatoriums*. EUPT-X. 20¢
- EUPHORBIA**  
Spurge. Euphorbiaceae. It is one of the most diverse of all plant genera. There are at least 1,000 species, many good succulents. They thrive in a porous but not too rich a soil. Many species are being reclassified; for other succulents see under Cacti.
- epithymoides*. EUPH-40. 25¢  
A showy border plant; 2 ft; HP.
- Fraseri*: see *rugosum*.
- heterophylla*. EUPH-67. 25¢  
Plant like the Poinsettia; start indoors; 3 ft; TA.
- Lathyrus*. EUPH-75. 30¢  
Caper-Spurge; Mole-Plant; 3 ft; HA.
- Livingstonia*. EUPH-80. 35¢  
Collected in S. Rhodesia.
- marginata*. EUPH-82. 20¢  
Snow-on-the-Mountain. Leaves margined white; 2 ft; HA. Oz. 60¢.
- Mrysinites*. EUPH-90. 25¢  
Decumbent; RG; stems end in golden flower-heads HP.
- pitayphylllos*. EUPH-113. 50¢
- polychroma*: see *E. epithymoides*.
- pulcherrima*. EUPH-122. 50¢  
Poinsettia. Shrub to 10 ft; bright red fls; (X). 100 seeds \$3.00.
- rugosum*. EUPH-128. 30¢  
White Snakeroot. White heads; 4 ft; HP.
- sikkimensis*. EUPH-132. 35¢
- splendens*. EUPH-135. 25¢  
Crown-of-Thorns; Calvary Clover. To 4 ft; bracts bright red; GH; HA.
- variegata*: see *E. marginata*.
- Euphorbia Mixed**. EUPH-X. 25¢
- EUSTOMA**. (YEW-stom-uh)  
—*russellianum*. EUST-1. 35¢  
Blue Gentian. HB; 2 ft; mass of 3" bell-shaped dark to pale blue fls; June till frost; moist place; fine cut; treat as HA; showy but not often seen.
- EVODIA**. (ee-VOH-dee-uh)  
—*franinifolia*. EVOD-3. 50¢
- EXACUM**. (EKS-ak-um)  
Gentianaceae. Annuals, biennials and perennials, summer blooming; fls white, lilac or purplish blue, flat petalled in branching clusters at the top of leafy stems. Not hardy in the N but grown as a pot plant in the GH; sow seeds in August for indoor growing; hardy in the South.
- teres*. EXAM-6. 30¢  
Blue flowers; 4 ft; India.
- EXOCHORDA**. (ex-soh-kord-uh)  
Pearl Bush. Rosaceae. Hardy deciduous Asian shrubs; very ornamental and hardy in the North. They thrive in a sunny place and well drained soil.
- racemosa*. EXOR-6. 35¢
- FARSETIA**. (far-SET-ah)  
Erect woolly annuals and perennials or sub-shrubs with white, pink or yellow fls in spikes or racemes; sometimes listed under Fibigia. (Cruciferae).
- clypeolata*. FARS-2. 50¢
- FATSIA**. (FAT-see-ah)  
Araliaceae. A single evergreen shrub native of Japan and grown in the GH; it is an extra nice foliage plant.
- japonica*. FATS-1. 50¢  
(Aralia jap.) Ev. sh. to 20 ft; grown in the GH; (VIII); whitish fls in umbels.
- Moseri*. FATS-IM. 50¢  
A compact growing form; GH.
- papyrifera*: see *Tetrapanax papyriferum*.
- FELICIA**. (fe-LISH-ee-ah)  
Compositae. Af. annuals and sub-shrubs; the latter make nice plants in the GH and the annuals nice garden plants. They have attractive daisy-like fls with blue or white rays and yellow disks.
- adfinis*. FELC-1. 35¢  
Blue flowers; 6 inches.
- Bergeriana*. FELC-4. 30¢  
Kingfisher Daisy. Blue star-shaped fls; RG; TA. Oz. 90¢.
- echinata v. Paralia*. FELC-6. 35¢  
Erect bush with bright blue fls; 10".
- hyssopifolia*. FELC-8. 30¢  
Rays lavender-mauve, golden disk; 12"; TA.
- rotundifolia*. FELC-11. 35¢  
Blue fls with yellow disk; 6".
- tricolor*. FELC-14. 35¢  
Pinkish with purple zone, yellow disk; 9".
- FANCARIA**: see in list under **CACTI**.
- FERNS**.  
We have a considerable number of fern spores to offer but due to the listing not being ready as this is being printed, we will try to get them in the last section of this issue.

**FESTUCA.**

Fescus. Gramineae. Perennial grasses, mostly tufted, with spikelets in narrow panicles; some are suited for pastures, others for lawn and ornamental grasses.

—*ovina v. glauca*. FEST-8G. 25¢  
Blue glaucous foliage; 2 ft; HP.

**FEVERFEW:** see **Chrysanthemum Parthenium.**

**FIBIGIA:** see under **FARSETIA.**

**FICUS.**

Fig. Moraceae. Some are grown in the (X) and (XI) zones and some make good house plants.

—*benjamina*. FIC-7. 40¢  
Tree native of India; (X). 100 seeds 80¢.

—*elastica*. FIC-20. 35¢  
Rubbed Plant; good tub subject; (X). 100 seeds 80¢; 1,000, \$2.50.

—*macrophylla*. FIC-33. 50¢  
Moreton Bay Fig. Attractive conservatory plant with glossy leaves. Oz. \$1.75.

—*religiosa*. FIC-52. 35¢  
Bo-tree; Sacred Tree of India. (X). 100 seeds 80¢; 1,000, \$2.50.

**FIRMIANA.** (fir-me-AN-ah)

Sterculiaceae. Warm region trees and grown in the South as shade trees.

—*simplex*. FIRM-1. 35¢  
Chinese Parasol Tree; Phoenix T. (IX); a good street tree in far S. Oz. 70¢; lb. \$4.00.

**FOENICULUM.** (fee-NIK-yew-lum)

Umbelliferae. Sweet Fennel. Grown for its leaves an aromatic seeds; see also in Herb List; sow seeds in the spring.

The common trade names are given here:

—*Sweet or Florence*. FOEN-1F. 25¢

—*Sicilian*. FOEN-1S. 25¢

—*Giant of Naples*. FOEN-1N. 20¢  
Oz. 40¢; lb. \$2.00.

—*Bologna*. FOEN-1B. 25¢  
Oz. 40¢; lb. \$2.00.

**FORGET-ME-NOT:** see **Myosotis.**

**FRAILEACOLOMBIANA:** see under **Cacti.**

**FRANKLINIA:** see **Gordonia alata**.

**FRASERA.** (fray-ZER-ah)

Columbo. Gentianaceae. N. Amer. plants with white, yellowish or bluish fls in panicled clusters.

—*Parryi*. FRAS-14. 30¢  
Greenish white fls; 3 ft; S. Calif.

**FRAXINUS.** (FRAX-in-us)

Ash. Oleaceae. Valuable street and shade trees; do best where soil is moist; best to stratify seed or sow in late fall, when they germinate the following two springs.

—*ameriana*. FRAX-1. 30¢  
White A. stratify seed above 40 deg. Far. sow early in spring; many seeds germinate the 2nd year. Oz. 50¢; lb. \$2.50.

—*excelsior*. FRAX-14. 30¢  
European Ash. Oz. 40¢; lb. \$3.00.

—*australis*. FRAX-14A. 25¢

—*pendula*. FRAX-14P. 30¢

—*oregona*. FRAX-26. 30¢

Trees to 75 ft: Wash; (VI). Oz. 45¢; lb. \$3.00

—*Ornus*. FRAX-27. 30¢

Flowering Ash. Tr. to 60 ft. Oz. 50¢.

—*pennsylvanica lanceolata*. FRAX-31L. 30¢

Red Ash. Lb. 1.25.

Please do NOT write letters on orders!

**FREESIA.**

(FREE-zee-ah)  
Iridaceae. A very popular flower for the GH; flowers in 10 weeks after planting bulbs making choice cut-flowers in late winter or early spring. They can be grown out doors in the far South where they should be planted in the fall. Seed will produce flowers the second year.

—*Luzi*. FREE-2. 50¢  
New type in beautiful new shades.

—*Hybrids*. FREE-2H. 30¢  
(Ragioniere) Best European strain.

—*Super Giants*. FREE-2S. 50¢  
Blend of white, rose-red, yellow-orange, lilac-purple; special GH strain.

—*pura grandiflora*. FREE-5P. 35¢  
A pure white; very early flowering.

—*Marie Josee*. FREE-2M. 30¢  
Nice red.

—*refracta Buttercup*. FREE-5B. 30¢  
Pure buttercup-yellow; 18".

—*Tubergeni Hybrids*. FREE-6H. 30¢  
—*Mixed*. FREE-X. 30¢

**FREMONTIA.** (free-MON-te-ah)

Sterculiaceae. Two evergreen shrubs with showy yellow fls without petals, followed by capsular fruits; dry soil and not hardy in N.

—*mexicana*. FREM-2. 50¢  
Flannel Bush. 10 ft; fls 2" ac.

**FRITILLARIA.**

Liliaceae. Bulbous plants with drooping bell-shaped fls often checkered in greenish, purple or brown. They can be grown from bulbs which are offered in the summer or they are easily grown from seed.

—*acmopetala*. FRIT-1. 40¢  
Rare; pretty; large maroon and green fls; 18"; HP.

—*cirrhosa*. FRIT-8. 30¢  
Yellowish fls checkered purple; 2 ft; HP.

—*imperialis*. FRIT-11. 25¢  
Purplish brick-red or yellow-red fls; 4 ft.

—*rubra*. FRIT-11R. 25¢  
Red for; 3 ft; HP.

—*meleagris*. FRIT-16. 30¢  
Flowers checkered with purplish or maroon; HP.

—*pallidiflora*. FRIT-20. 30¢  
Pale yellow, spotted inside; 9"; HP.

—*pudica*. FRIT-22. 30¢  
Yellow Bells. Earliest in spring; 6"; HP.

—*pyrenaica*. FRIT-25. 30¢  
Dark purple, spotted with green; 18"; HP.

—*recurva*. FRIT-26. 25¢  
Scarlet checkered with yellow; 2 ft; HP.

—*Roylei*. FRIT-28. 30¢  
Greenish yellow, netted dull purple; 2 ft.

—*tunstasia*. FRIT-34. 50¢  
Lovely black fls; rare; 12"; HP.

—*Mixed*. FRIT-X. 25¢

**FUCHSIA.** (FEW-smuh)

Onagraceae. Tender plants with very pretty flowers; they make excellent house plants or can be grown in a cool GH. In the far South they are grown out doors.

—*California Strain*. FUCH-1. 50¢

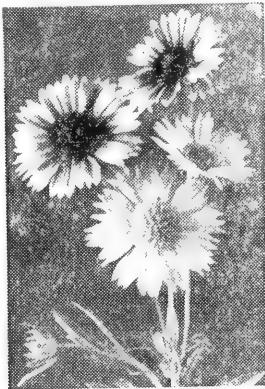
**GAILLARDIA.**

Blanket Flower. Compositae. Annuals, biennials and perennials with showy solitary flowers with red or yellow rays. They are excellent for cut-flowers or make showy displays in the border.

**G. ARISTATA:** Hardy perennials; easily

grown anywhere. All varieties  $\frac{1}{4}$  oz. 50¢.

- Bremen.** GAIL-1B. 20¢ Coppery scarlet with yellow tips; pretty.
- Burgundy.** GAIL-1N. 20¢ A rich wine-red color; showy.
- Goblin.** GAIL-1G. 20¢ A dwarf compact variety; deep red with a golden border.
- Kobold.** GAIL-1K. 20¢ A Swiss novelty; red with gold zoning.



GAILLARDIA — Monarch Strain

- Monarch Strain.** GAIL-1M. 20¢ Very large flowers in a wide color range.
- Portola Hybrids.** GAIL-1P. 25¢ Scarlet fls intensified with bronze-gold tips; semi-double.
- Sun.** GAIL-1SN. 25¢
- Superbum.** GAIL-1S. 20¢ Large flowered variety, mixed colors.
- Yellow Queen.** GAIL-1Y. 20¢ Pure golden yellow; very pretty.
- Tangerine.** GAIL-1T. 20¢ Beautiful orange; true.
- The Dazzler.** GAIL-1D. 20¢ Intense golden yellow with maroon-red zone.
- Blend of above. GAIL-1X. 20¢
- G. PULCHELLA:** Also listed as *G. picta*, *G. Drummondii*. Hardy annuals growing to 18"; they are grown mainly for cutting. GAIL-7C. 20¢
- Indian Chief.** Pretty deep coppery scarlet with dark brown center.
- Lorenziana.** GAIL-7Z. 20¢ Double disk fls; very showy.
- Tetra.** GAIL-7T. 20¢ A blood-red; showy.
- Single Mixed.** GAIL-7X. 20¢
- New Giant Doubles.** GAIL-7DX. 25¢

**GALEGA.** (gah-LEE-gah) Leguminosae. Bushy perennials with blue white or purple pea-like fls in thick clusters or racemes; excellent cut-flowers; seed can be planted where they are to grow.

—**officinalis.** GALG-2. 25¢ Goat's Rue. White, lilac and rose fls; 3 ft; HP.

**GALTONIA.** (gol-TOH-nee-uh) Liliaceae. S. Af. bulbous plants growing 2-3 ft. with flowers much like Hyacinths but in open racemes; they are hardy up in the (VII) zone.

—**candidans.** GALT-1. 25¢ Giant Summer Hyacinth. White; 3 ft; TEb; treat like Gladiolus in storage.

We are always interested in the source of any seeds not listed — in many that are.

### GAMOLEPSIS. (gam-MOL-ep-is)

Small shrubs and plants native of S. Af. and having yellow solitary flower heads of ray and disk flowers. Grown for the fls and for edging; tender.

- tagetes.** CAMO-1. 25¢ Bright yellow fls, 1" ac; early; 12"; TA.
- speciosa.** CAMO-10. 35¢ Brilliant orange; 8".

### GARDENIA. (gar-DEEN-ee-ah)

Rubiaceae. Popular shrubs grown for their pretty fls, both out doors in the S or in the GH in the North.

- jasminoides.** GARD-4. 50¢ (*G. florida*) Cape-Jasmine. Ev. sh to 6 ft; fls white, 3" ac; China.

- Thunbergii.** GARD-7. 40¢ To 10 ft; fls white, fragrant, 4" ac; S. Af.

### GAULTHERIA. (gaw-THEE-re-ah)

Ericaceae. Evergreen woody plants of the Heath Family having small white, blue, red or black fls followed by fruits. Many are very dwarf and suited for the RG. Sandy soil, plenty of moisture, best in light shade and an acid soil; not real hardy in N without winter protection.

- Hookeri.** GAUL-6. 40¢ A rare species from the Himalayas.

- Miqueliania.** GAUL-10. 30¢ Compact sh; RG; 15"; Lily-of-the-Valley-like flowers followed by white berries; HSh; good.

- oppositifolia.** GAUL-13. 50¢ A really attractive shrub covered with striking Heath-like fls in early spring; 3 ft; (IX); N. Z.

- procumbens.** GAUL-17. 40¢ Winter-berry; Checkerberry; Teaberry. Creeping; white fls; May-Sept; scarlet fr; Canada to Ga; (III).

- trichophylla.** GAUL-21. 30¢ Pink fls; prostrate, shrubby; RG; not easy but good.

- perplexa.** GAUL-16. 30¢ Prostrate shrub to 3 ft; N. Z.

- rupestris.** GALT-20. 50¢ Erect, rarely procumbent, sh with smaller lvs; white fls; pink or red br; 2-4 ft; (V); N. Z.

- Mixed.** GAUL-X. 30¢

### GAURA. (GAU-rah)

Oragraceae. N. Amer. perennials; rose or white fls in spikes or clusters. Grown in the border or wild garden.

- Lindheimeri.** GAUR-2. 30¢

A graceful plant with long sprays of white fls blooming over a long season; July-OCT; 3-4 ft; good cut; TP but grow as HHA; space 20".

### GAZANIA. (gah-ZAY-ne-ah)

(Meridiana) Compositae. White, orange and yellow fls opening in the sunshine; disks dark; border or for edging.

- leucolaena.** GAZ-2. 40¢ Trailing plant; yellow fls; gray lvs.

- longiscarpa.** GAZ-1. 30¢ A beautiful plant for a sunny place; large Daisy-like golden yellow fls spotted brown around center, 2" ac; July-Oct; TP, grow as HHA; 6-9"; space 9".

- pinnata.** GAZ-7. 33¢ Orange fls; 6".

- splendens, Mixed.** GAZ-8X. 30¢ Rays orange with black and white spot at base; 18".

|  |               |
|--|---------------|
| <b>GENISTA.</b>  | (jen-NIST-ah) |
| Broom. Leguminoesae. Ornamental shs with yellow or white fls in racemes, followed by flattened pods. Thrives in dry locations and mild climates; not hardy in the North. |               |
| — <i>aemensis.</i>   | GENS-1. 40¢   |
| Golden yellow; fragrant; July-Aug; Sicily; 15 ft; HHSh.  |               |
| — <i>canariensis:</i> see <i>Cytisus</i> . Pretty pot plant.   |               |
| — <i>fragrans:</i> see <i>Cytisus. fragrans.</i>   |               |
| — <i>hispanica.</i>  | GENS-11. 50¢  |
| Spanish Broom. Golden yellow fls in terminal heads; May-June; 2 ft; HP.  |               |
| — <i>horrida.</i>  | GENS-12. 50¢  |
| Flowers in terminal heads; 1½ ft; HP.  |               |
| — <i>monosperma.</i>   | GENS-17. 30¢  |
| White fls; 10 ft; (IX). Oz. 75¢.   |               |
| — <i>occidentalis.</i>   | GENS-19. 50¢  |
| — <i>hispanica</i>   | GENS-11. 50¢  |
| Spanish Broom. Golden yellow fls; in terminal heads; May-June; 2 ft; HP.   |               |
| — <i>scoparia:</i> see <i>Cytisus scoparius.</i>   | GENS-38. 30¢  |
| — <i>tinctoria</i>   | GENS-23. 50¢  |
| Dyer's-Greenwood. 3 ft. Oz. 95¢.   |               |
| — <i>sagittalis.</i>   |               |
| Yellow fls in terminal racemes; June-July; 1 ft; HP.   |               |
| — <i>Genista Mixed.</i>  | GENS-X. 25¢   |

## GENTIANA

Low growing annuals and perennials, usually with blue or purple fls, occasionally white or yellow. They are excellent rockery plants. Best soil mixture recommended: 2 part loose bulk loam, 1 part course sand, 1 part bulk peat to which add to each bushel of the above, 1½ oz. super-phosphate and ¾ oz. ground limestone. Leave lime out for Himalaya species; no manure or leaf mould. Seed containers should be kept shaded, never allow the sun to reach the seed; even when germinating, seed may take a year to germinate and thus sowing in coffee cans should be tried.

|   |              |
|---|--------------|
| — <i>acaulis.</i>   | GENT-1. 35¢  |
| Dark blue, spotted inside; 4"; HP; success is mainly a cool root; try planting North of a stone; light application of lime good; try oyster shells when planting. |              |
| — <i>Andrewsii.</i>   | GENT-7. 35¢  |
| Purplish blue; 2 ft; HP.  |              |
| — <i>asclepiadea</i>  | GENT-9. 50¢  |
| Dark blue fls; 18"; Caucasus; HP.   |              |
| — <i>augustifolia.</i>  | GENT-8. 50¢  |
| Blue spotted with green; Alps; HP.  |              |
| — <i>candidum.</i>  | GENT-22. 50¢ |
| — <i>Clusii.</i>  | GENT-24. 50¢ |
| Very much like G. acaulis.  |              |
| — <i>cruciata.</i>  | GENT-25. 50¢ |
| Dark blue fls; 10"; HP.   |              |
| — <i>Farreri.</i>   | GENT-31. 50¢ |
| Blue, white throat, yellowishwhite band; 3"; HP; sow in fall to March when they germinate in 3 weeks.   |              |
| — <i>Fetisowii.</i>   | GENT-32. 50¢ |
| Deep blue; 1½" long; terminal clusters.   |              |
| — <i>gracilipes.</i>  | GENT-42. 50¢ |
| Rosette forming; fls purplish blue; 6"; China; HP.  |              |
| — <i>Kochiana.</i>  | GENT-47. 50¢ |
| Rosette forming; 6"; blue, white, rose; HP.   |              |
| — <i>Olivieri.</i>  | GENT-62. 35¢ |
| (G. dahurica) Dark blue fls in umbel-like cymes; Asia; (IV); HP.  |              |
| — <i>lutea.</i>   | GENT-53. 50¢ |
| Yellow fls; 1" long in dense umbel-like cymes; '6"; HP.   |              |
| — <i>porphyrio.</i>   | GENT-71. 35¢ |
| Bright blue fls 2" long; N. J.; sandy acid meadows; 12"; HP.  |              |

|   |               |
|---|---------------|
| — <i>purpurea.</i>  | GENT-96. 35¢  |
| Purple fls; 2 ft; HP.   |               |
| — <i>Saponaria</i>  | GENT-91. 35¢  |
| Blue fls; 30"; HP.  |               |
| — <i>septemfida.</i>  | GENT-98. 50¢  |
| Nice blue fls; stems 10"; July-Aug; HP.   |               |
| — <i>sikkimensis.</i>   | GENT-100. 50¢ |
| Mat-forming; 6"; blue, white throated; China; HP.   |               |
| — <i>tibetica.</i>  | GENT-113. 50¢ |
| Yellowish white, tinted blue; 18"; 18 in; Himalayas.  |               |
| — <i>verna.</i>   | GENT-118. 50¢ |
| Tufted dark blue; 3"; HP; sow seeds in the fall and up to the end of Jan when they naturally will germinate in late Feb and March; any other time, the seed will just hold over till the next Feb or March! |               |
| — <i>Mixed Genians.</i>   | GENT-X. 30¢   |

## GERANIUM. (gee-RAY-nee-um)

Crane's-bill. Geraniaceae. Annuals and perennials for the border or rockery; set the perennials out in the spring. CAUTION: these are NOT the common greenhouse Geraniums — they belong to the Pelargoniums.

|  |               |
|--|---------------|
| — <i>collinum.</i>                         | GERN-11. 30¢  |
| Purplish violet; 18"; HP.                  |               |
| — <i>macrorrhizum.</i>                     | GERN-29. 30¢  |
| Magenta fls; 18"; HP.                      |               |
| — <i>Ingwersen Form.</i>                   | GERN-29W. 50¢ |
| Fragrant foliage; bright pink fls; 7"; HP. |               |
| — <i>napalense.</i>                        | GERN-30. 30¢  |
| Rose-purple fls; decumbent to 18"; HP.     |               |
| — <i>pratensis Silver Queen.</i>           | GERN-38S. 50¢ |
| Prostrate; blue-purple fls; HA; Himalayas  |               |
| — <i>pusillum.</i>                         | GERN-40. 35¢  |
| Prostrate; blue-purple fls; HA; Himalayas  |               |
| — <i>sanguineum.</i>                       | GERN-46. 25¢  |
| Reddish purple fls; 18"; HP.               |               |
| — <i>sibericum.</i>                        | GERN-48. 50¢  |
| — <i>Mixed Geraniums.</i>                  | GERN-X. 25¢   |

## GERARDIA. (ger-AR-dee-ah)

Scrophulariaceae. (Agalinis) American native annuals and perennials; flowers are real showy.

|   |             |
|---|-------------|
| — <i>purpurea.</i>  | GERA-3. 30¢ |
| Rose-pink fls with red-purple spots; July-Sept; 2 ft; HA; good to naturalize. |             |

## GERBERIA. (jer-BEER-ee-ah)

Transvaal or Barberton Daisy. Compositae. Herbaceous perennials with solitary orange pink, or yellow heads in rays; they are not hardy in the far N.

|                              |              |
|------------------------------|--------------|
| — <i>Giant Hybrids</i>       | GERB-2. 30¢  |
| — <i>Jamesonii, Scarlet.</i> | GERB-2S. 30¢ |

Heads 4 inches across; 18".

## GEUM

Avens. Rosaceae. Erect perennials easily grown and excellent for cutting or for beds, border or rockery; sow seeds in open ground early in the spring.

|   |               |
|---|---------------|
| — <i>chiloense Fireball.</i>            | GEUM-10F. 20¢ |
| Bright scarlet; 2 ft; HP.               |               |
| — <i>Gold Ball.</i>                     | GEUM-10G. 20¢ |
| Rich golden yellow variety; 2 ft; HP.   |               |
| — <i>Mrs Bradshaw.</i>                  | GEUM-10B. 20¢ |
| Rich double scarlet; 2 ft; HP.          |               |
| — <i>Scarlet.</i>                       | GEUM-10R. 20¢ |
| Large double flowers.                   |               |
| — <i>Lady Stratheden.</i>               | GEUM-10S. 20¢ |
| Double golden yellow variety; 2 ft; HP. |               |
| — <i>Mixed Chiloense Var.</i>           | GEUM-10X. 20¢ |
| Bright red fls, 1" ac; HP.              |               |
| — <i>coccineum.</i>                     | GEUM-11 25¢   |
| Bright red fls, 1" ac; HP.              |               |
| — <i>elatum.</i>                        | GEUM-13. 25¢  |
| Golden yellow; 1 ft; light shade; HP.   |               |

- Hyb's, Waight's Brilliant.** **GEUM-16W.** 25¢
- montanum.** **GEUM-24.** 25¢
- Golden yellow fls 1½" ac; 1 ft; HP.
- sylvaticum.** **GEUM-36.** 50¢
- Yellow fls, 1" ac; 2 ft; HHP.
- triflorum.** **GEUM-38.** 35¢
- Purplish fls, ¾" ac; 1½ ft; HP.
- urbanum.** **GEUM-40.** 25¢
- Yellow fls, ½" ac; 2 ft; HP.
- Mixed Geum.** **GEUM-X.** 20¢

## GILIA

Polemoniaceae. Annuals, biennials and perennials having blue, yellow, pink or white funneliform flowers. They are mostly annual and the seed can be sown early in the open ground.

- achilleaefolia.** **GIL-2.** 20¢
- Blue, dense terminal clusters; 2 ft; HA.
- aggregata.** **GIL-4.** 30¢
- Bears spikes of star-like fls varying from brilliant scarlet to pink; much like *G. rubra*. July-Sept; 30"; space 18"; grow as HHA.
- capitata.** **GIL-12.** 20¢
- Popular; erect branching habit; globe-shaped heads of soft lavender-blue, above a finely-cut foliage; June-Oct; 20"; HA.
- White.** **GIL-12W.** 20¢
- caruoliana.** **GIL-13.** 25¢
- Hardy annual.
- dianthoides.** **GIL-18.** 20¢
- Formerly listed as *Fenzlia* and *Linanthus*. An exquisite little plant with large Phlox-like fls of a soft rosy lilac, with yellow throat; easily grown; free-flowering; July-Sept; 6"; space 6"; HA.
- French Hybrids.** **GIL-21F.** 20¢
- Seed from France.
- laciniata.** **GIL-22.** 25¢
- Rose, blue, pale lilac to white; 8"; HA.
- lutea.** **GIL-26.** 25¢
- Formerly listed under *Leptosiphon*. An attractive dwarf annual; 6-9"; covered with star-like fls in large range of colors; excellent edging plants; is good with *Alyssum*; June-Sept; space 6"; HA.
- incisa.** **GIL-21.** 25¢
- Blue Gilia.
- rubra.** **GIL-38.** 20¢
- Standing Cypress. A nice perennial, best treated as a biennial; striking plant with spikes of vivid scarlet tubular fls; July-Oct; 3 ft; space 20".
- tricolor.** **GIL-42.** 20¢
- Bird's Eyes. Showy and easily grown; fls in loose clusters of lavender and white, with golden and purple centers; June-Sept; 1 ft; HA; space 1 ft.
- Mixed Gilia.** **GIL-X.** 20¢

## GINKGO.

(GINK-goh)

Ginkgoaceae. One deciduous tree native of China.

- biloba.** **GINK-1.** 25¢
- Maiden-hair-tree.

## GINSENG: see *Panax quinquefolium*.

- GLADIOLUS.** (glad-ee-OH-lus)
- Iridaceae. Cormous perennials native of Africa; most of them must be dug up in the fall and wintered over in a frost-proof place.
- blandus.** **GLAD-5.** 35¢
- White and red tinged fls; 2 ft.
- illyricus.** **GLAD-29.** 35¢
- Reddish flowers; 1½ ft.
- Melleri.** **GLAD-34.** 35¢
- Bright salmon red species; 3-4 ft; South Rhodesia.
- permeabilis.** **GLAD-41.** 35¢
- Pink or lilac fls; 2 ft; S. Rhodesia.

## —psittacinus.

- GLAD-44.** 40¢
- One of the parents of our large-flowered Glads; hardy in zone (VII) where it will form large clumps; fls in brilliant colored blooms in rich yellow and dark red.
- Mixed Gladiolus Species.** **GLAD-X.** 25¢

## GLAUCIUM.

(GLAW-see-um)

Horned or Sea Poppy. Papaveraceae. Glaucous perennials with orange colored juice and with solitary orange or yellow fls. Grow as annuals in the N; thrive in any soil in a sunny place.

## —flavum.

- GLAU-4.** 40¢
- Attractive foliage and large golden yellow or orange fls; flourishes in poor, sandy soil; July-Sept; 2-3 ft; HA; space 20".

## —Mixed.

- GLAU-X.** 25¢
- Scarlet and yellow; 2 ft; HP; grow as HA.

## GLEDITSIA.

(gled-DIT-see-uh)

Honey Locust. Leguminosae. They are real good trees and hardy in the North. The seed can be sown in the spring but will require 2 years for all seed to germinate.

## —japonica.

- GED-5.** 35¢
- Tree to 70 ft; Japan.

## —sinensis.

- GED-9.** 35¢
- Tree to 40 ft; China.

## —iriacanthos.

- GED-10.** 25¢
- Sweet Locust; Scald seed; sow in spring.

## —inermis.

- GED-10N.** 30¢
- Pods twisted; (V); sow in spring. Oz. 60¢.

## GLIRICIDIA.

(glir-ee-CID-ee-ah)

Luguminosae. Tropical Amer. trees and shrubs grown in the far South for ornament.

## —sepium.

- GLIR-2.** 35¢
- Madra. Tropical tree with pea-shaped pink fls; blooms in spring in (X). Oz. 75¢.

## GLOBULARIA.

(glob-u-LAY-re-ah)

Globulariaceae. Little shrubby plants from the mountains of southern Eu. and Asia, blue or white fls in rounded heads. They are easily grown from seed, in a moist and partly shaded place; RG.

## —elongata.

- GLOB-1.** 40¢
- bellidifolia.** **GLOB-2.** 40¢

Probably a variety of *G. cordifolia*; prostrate sub-sh; blue fl-heads ½" across.

## GLORIOSA.

(gloh-ree-OH-suh)

Glory-Lily. Liliaceae. Tuberous rooted climbers with red or yellow Lily-like flowers. They can be grown out doors in the S and in the N make fine GH plants.

## —superba.

- GLOR-5.** 50¢

## GLOXINIA: see *Sinningia speciosa*.

## GLYCYRRHIZA.

(gliss-ihr-RYE-zuh)

Leguminosae. Perennials and sub-shrubs.

## —glabra.

- GLYC-2.** 30¢
- Licorice. Pale blue fls; 3 ft; HP; (V); rich moist soil; roots furnish licorice.

## GODETIA

Onagraceae. Erect annuals with bright showy flowers in red, lilac, purple or white; sealy gown, best in a light soil and sunny spot. Seeds can be started indoors or planted where they are to grow.

**G. GRANDIFLORA:** Under this heading are the popular varieties. They probably are hybrids of *G. amoena* and *G. Bottae*; best sown during March (V-IV) or April,

directly where they are to grow as they do not transplant well; farther South the seed can be planted in Sept; they are also excellent pot plants for the greenhouse; sow seed in Aug-Sept for January flowers; give plenty of room and well to stake plants; HA; space 18 inches apart.

|   |               |
|---|---------------|
| —carmine.                                 | GODT-4M. 20¢  |
| Double carmine-red.                       |               |
| —Charming.                                | GODT-4C. 20¢  |
| Dwarf; very bright deep satiny pink; 12". |               |
| —Cherry Red.                              | GODT-4CR. 20¢ |
| A real showy variety.                     |               |
| —Crimson Glow.                            | GODT-4G. 20¢  |
| Dwarf; extra dark crimson strain; 1 ft.   |               |
| —Duke fo York.                            | GODT-4D. 20¢  |
| Dwarf carmine-scarlet; 1 ft.              |               |
| —Kelvedon Glory.                          | GODT-4K. 20¢  |
| Dwarf deep glowing salmon-orange; 1 ft.   |               |
| —Mauve Queen.                             | GODT-4M. 20¢  |
| Beautiful new mauve color; dwarf; 1 ft.   |               |
| —Fantasy.                                 | GODT-4F. 20¢  |
| Full double flowers.                      |               |
| —Orange Glory.                            | GODT-4N. 20¢  |
| NEW; pure orange; double.                 |               |
| —Purity.                                  | GODT-4P. 20¢  |
| Glistening solid snow-white; 1 ft.        |               |
| —Rosemunde.                               | GODT-4R. 20¢  |
| Beautiful rose-pink; 1 ft.                |               |
| —Sybil Sherwood.                          | GODT-4S. 20¢  |
| Pretty salmon-pink; 1 ft.                 |               |
| —Thunderbolt.                             | GODT-4T. 20¢  |
| Vivid deep crimson with frilled petals.   |               |
| —White Swan.                              | GODT-4W. 20¢  |
| Large flowering satink white; 1 ft.       |               |
| —Mixed.                                   | GODT-4DX. 20¢ |
| All dwarf varieties; 1 ft.                |               |

#### TALL UPRIGHT SINGLE VARIETIES:

|  |              |
|--|--------------|
| Nice for the border, bedding; 2-3 ft;  |              |
| —Duke of York.                         | GODT-6D. 20¢ |
| A rich scarlet.                        |              |
| —Fairy Queen.                          | GODT-6F. 20¢ |
| White and crimson.                     |              |
| —Gloriosa.                             | GODT-6G. 20¢ |
| Lord Roberts. Blood-red.               |              |
| —Pelargonium.                          | GODT-6P. 20¢ |
| Bluish pink, blotched sarmine; pretty. |              |
| —Starlet Queen.                        | GODT-6S. 20¢ |
| Brilliant scarlet.                     |              |
| —The Bride.                            | GODT-6B. 20¢ |
| Crimson and white.                     |              |
| —Tall Upright Mixed.                   | GODT-6X. 20¢ |

**WHITNEYII:** A very compact strain, both dwarf and double flowered; also known as Azaleaeflora.

|                            |              |
|----------------------------|--------------|
| —Maiden Blush.             | GODT-7M. 20¢ |
| Double rose-pink.          |              |
| —Begonia Rose.             | GODT-7B. 20¢ |
| Compact brilliant rose.    |              |
| —Lady Albemarle.           | GODT-7L. 20¢ |
| A compact crimson variety. |              |
| —Whitneyii Blend.          | GODT-7X. 20¢ |
| Many varieties. Oz. 75¢.   |              |

**GOLDEN SEAL:** see *Hydrastis canadensis*.

**GOMPHRENA.** (gom-FREE-nah) Amaranthaceae. Native of American tropics; they are popular as "everlastings" bearing Clover-like heads; cut before fully open, hang up to dry in a cool, airy place.

**G. GLOBOSEA:** Start seeds indoors for better germination.

|  |              |
|--|--------------|
| —Rose.                                   | GOMP-2Z. 20¢ |
| —Orange-yellow.                          | GOMP-2Y. 20¢ |
| —Purple.                                 | GOMP-2P. 20¢ |
| —Striped.                                | GOMP-2S. 20¢ |
| —White.                                  | GOMP-2W. 20¢ |
| —Dwarf Buddf.                            | GOMP-2B. 25¢ |
| New; extra dwarf; bright reddish purple. |              |
| —Mixed.                                  | GOMP-2X. 20¢ |

#### GORDONIA.

Theaceae. Trees and shrubs from warm regions. The American species, *G. alatamaha*, is not too well known, but a fine tree.

**GODO-1.** 40¢

Franklinia Tree. To 20 ft; beautiful white flowers 3" ac; it requires an acid soil and is hardy up into the (V) zone. 100 seeds \$2.50; 1,000, \$10.00.

#### GOURDS.

Listed here are the Cucubits having hard shells and grown for ornament; they are very ornamental, easily grown and can be treated the same as Pumpkins; they want stand any frost; they dislike any root disturbance.

**SMALL FRUITED VARIETIES.** Mainly *Cucubita pepo*.

|  |              |
|--|--------------|
| —White Egg.  | GORD-1E. 20¢ |
| About the size of a lemon.                         |              |
| —Flat Striped.                                     | GORD-1F. 20¢ |
| Dark green with yellow stripes.                    |              |
| —Miniature.  | GORD-1M. 20¢ |
| Fruits round, dark green striped yellow.           |              |
| —Orange.   | GORD-1R. 20¢ |
| Orange and the same size.                          |              |
| —Pear-bicolor.                                     | GORD-1P. 20¢ |
| Half green, half yellow; pear-shaped.              |              |
| —Pear.   | GORD-1P. 20¢ |
| White fruits; pear-shaped.                         |              |
| —Pear-striped.                                     | GORD-1L. 20¢ |
| Dark green, striped with longitudinal white bands. |              |
| —Spoon.  | GORD-1S. 20¢ |
| —verrucosa.  | GORD-1V. 20¢ |
| Small green; very warty fruits.                    |              |
| —Small Fruited Mixed.                              | GORD-1X. 20¢ |
| Oz. 50¢; lb. \$2.80.                               |              |

**LARGE FRUITED VARIETIES:** Mainly *Cucurbita leucantha*.

|                                 |              |
|---------------------------------|--------------|
| —Apple.                         | GORD-2A. 20¢ |
| Apple-shaped; green.            |              |
| —Bottle-shaped.                 | GORD-2B. 20¢ |
| Green.                          |              |
| —Dipper.                        | GORD-2D. 20¢ |
| —Hercules Club.                 | GORD-2H. 20¢ |
| —Nest Egg.                      | GORD-2N. 29¢ |
| Fruits white; size of Duck egg. |              |
| —Orange.                        | GORD-2G. 20¢ |
| —Turk's Cap.                    | GORD-2T. 20¢ |
| Very showy; acorn-shaped.       |              |
| —Large Fruited Mixed.           | GORD-2X. 20¢ |
| Oz. 50¢; lb. \$2.50.            |              |

#### GRASSES — Ornamental.

The following list includes practically all those usually grown—in the U. S. A. at least. All may not be listed under their headings if seed is not available. I will appreciate hearing from any reader in foreign countries having other species, grown from seed.

|  |             |
|--|-------------|
| Briza maxima and minor.                    |             |
| Coix lacryma-jobi.                         |             |
| Cyperus alternifolius and paramatta.       |             |
| Festuca glauca.                            |             |
| Gnemium argenteum.                         |             |
| Hordeum jubatum.                           |             |
| Isolepis gracilis.                         |             |
| Miscanthus sinensis and its var. zebrinus. |             |
| Pennisetum longistylum and Rueppelii.      |             |
| Poe violacea.                              |             |
| Zea gigantea quadrangularis.               |             |
| —Dwarf Grasses Mixed.                      | GRS-1X. 25¢ |
| Only dwarf ornamental kinds. 1/2 Oz. 50¢.  |             |
| —Tall Grasses Mixed.                       | GRS-2X. 25¢ |
| Only ornamental sorts. 1/2 Oz. 50¢.        |             |

25¢ for sample Saier's Garden Magazine.

**GREVILLEA.**

Proteaceae. Tree and shrubs native of Australia and planted for street trees or ornament; some are grown in the GH as pot places; they are fairly hardy and probably can be grown up into the (VIII) zone.

**—Banksii.**

Shrub or tree to 20 ft; red fls in dense terminal racemes, 4" long; Queensland.

**—lanigara.**

Woolly Grevillea. Shrub to 5 ft; covered with mass of unusual red and green fls.

**—robusta.**

Silky Oak. Lovely tree fairly hardy in Australia; good specimen street tree in S; they are also grown in the GH in the N for specimen pot plants; sow seed in flats Dec-Mar; for GH. Fresh seed comes in about June. Oz. \$2.00; lb. \$30.00.

**—Wilsonii.****GREV-2. 40¢****GREV-10. 35¢****GREV-45. 40¢****GREV-60. 50¢****GREWIA.****(GREW-ee-uh)**

Tiliaceae. Trees and shrubs of warm regions of the Old World; small flowers followed by fruits; ornamental.

**—occidentalis.**

Ornamental shrub or small tree; native of S. Africa; purple fls; mild climates.

**GRINDELIA.****(grin-DEL-ee-ah)**

Gum Plant. Compositae. Western U. S. perennials bearing large yellow or disk flowers and doing well on poor soils.

**—squarrosa.****GRIN-10. 25¢**

Yellow fls, 3/4" ac; 2 ft; HB or HP.

**GRISELINIA.****(griz-el-LIN-ee-um)**

Cornaceae. N. Z. evergreen shrubs and trees; they have attractive leathery leaves and are grown out doors in the South.

**—littoralis.**

Tree with bright glossy foliage; ornamental; (IX); 12 ft; N. Z.

**GUAVA: see PSIDIUM.****GYMNOCLADUS.****(jim-NOK-lad-us)**

Kentucky Coffee Tree. Leguminosae. The seed coat is impermeable, soak seeds 2-4 hours in concentrated sulfuric acid; wash well before planting; small lots, file seeds or try soaking them 2-6 hours in water at 195 deg. Far; sow in spring. It is a large tr.

**—dioicus.****GYMC-1. 25¢****GYNERIUM Aargenteum: see Cortaderia Selloana.****HAKEA.****(HAH-kee-uh)**

Proteaceae. Rather hardy genus in Australia; one species is the loveliest foliage plants imaginable. They need good drainage; fls in cream, white, red or purple, drought resistant; much like Grevillea; sow seed in winter or spring, carry seedlings over in flats or pots the first year.

**NOTE: There should be quite a few more Hakeas listed; they will be in next issue.**

**—acicularis.**

Needle Bush. Australia.

**HAK-1. 30¢****—laurina.**

Sea Urchin. Shrub or tree to 30 ft; crimson fls; W. Australia.

**HAK-13. 30¢****—Mixed Species.****HAK-X. 50¢****HALESIA.****(hay-LEE-zee-uh)**

Mohrodendron. Silver-Bells; Snowdrop Tree. Attractive deciduous trees native mostly

of N. Amer.

**—carolina.****HALE-1. 35¢****HAMAMELIS.****(ham-am-MEEL-iss)**

Hamamelidaceae. Witch Hazel. Deciduous small trees or shrubs; hardy in the North. Germinate best in damp rich soil, partial shaded beds; germinating mostly the 2nd year; stratify at 65-85 degrees F. for 2 months then 3 months at 40; this is the only treatment known to partially break its dormancy.

**—japonica.****HAMA-2. 50¢**

To 30 ft; Japan. Oz. 90¢.

**HARDENBERGIA.****(har-den-BERJ-ee-uh)**

Leguminosae False Sarsparilla. Hardy Australian shrubs and climbers.

**—comptoniana.****HARD-6. 50¢**

The Blue Sarsparilla of W. Australia; one of the best climbing plants of Aust; fairly hardy there.

**—monophylla.****HARD-3. 30¢**

(Kennedia) Semi-climber; white fls.

**HARPEPHYLLUM.****(harp-ef-FILL-um)**

Anacardiaceae. Native of South Africa.

**—caffrum.****HARP-2. 40¢**

Kafir Plum. Pretty tree to 30 ft; glossy lvs; fls white, followed by edible fruits; S. Fla. to Calif; (X); Oz. 90¢.

**HARRISIA.****(har-RISS-ee-uh)**

Cactaceae. Arching and vine-like night-blooming Cacti; Fla-Argentina.

**—fragans.****HARR-16. 50¢**

—Mixed. **HARR-X. 50¢**  
Contains also Guelichii, Martinii and Simpsonii.

**HEBE.****(HEE-bee)**

Scrophulariaceae. Shrubs and small trees mainly from N. Z., and formerly classified with the Veronicas. They can be grown out doors in mild climates and some under glass in the North; some make excellent evergreen hedges.

**—Bollonsii.****HEBE-10. 30¢**

Pale lilac; 4" racemes; 5 ft; N. Z.; HHSh.

**—Hulkeana.****HEBE-40. 40¢**

Prostrate sh to 5 ft spread; found in moist places; 8-12" spikes of large Chinaberry fls; rare; exquisite; N. Z.

**—Lewisii.****HEBE-44. 40¢**

White and blue fls, 1/2" ac, in racemes; 6 ft; mild climates; (X); N. Z.

**—macrantha.****HEBE-46. 40¢**

Rare; largest flowered, pure white; sun; 12"; HHSh.

**—Mixed.****HEBE-30¢****HEDERA.****(HED-er-uh)**

Ivy. Araliaceae. Evergreen climbing shrubs grown for ground cover in shady spots; some wall climbers; seed takes up to 2 years to germinate.

**—Helix.****HEDR-4. 30¢**

English Ivy. Oz. 45¢.

**—hibernica.****HEDR-4L. 40¢**

Leaves larger, 6" across. Oz. 50¢.

**HEDYCHIUM.****(hee-DIK-ee-um)**

Ginger-Lily. Zingiberaceae. Robust tropical perennials mainly from India. Grown in the GH or in the far South. Flowers are showy and fragrant; rich soil and plenty of moisture.

**—coccineum v. augustifolium. Hedy-4A. 30¢**

Shorter lvs; salmon-pink fls; 6 ft; TP.

- coronarium.** HEDY-5. 30¢  
Garland Flower. White; 6 ft; very fragrant; TP.
- Red.** HEDY-5R. 30¢  
Oz. 55¢.
- Hedychiums Mixed.** HEDY-X. 25¢

**HELENIUM.** (he-LEE-ne-um)  
Compositae. Mainly perennials; few annual, flowering in summer and fall. Thrive in fairly rich soil and a sunny place; makes excellent plants for the border or wild garden; easily grown from seed started early in the spring or as late as July.

- autumnale.** HELE-2. 25¢  
Heads 2" ac; lemon-yellow, disks yellow; 6 ft; HP.
- Bigelovii.** HELE-3. 25¢  
Rays yellow, disks brown; heads 2-3 in. ac; 6 ft; HP.
- Hoopesii.** HELE-6. 25¢  
Flowers 3" ac; 3 ft; HP. Oz. 50¢.
- Mixed Heleniums.** HELE-X. 25¢

**HELIANTHEMUM.** (hee-lee-ANTH-em-um)  
Sun-Rose. Cistaceae. Perennials thriving in dry limestone soils, in full sunshine. They are excellent border plants or rockery and some for ground cover; colors in yellow, rose, white and purple; July-Sept.; they have a long flowering period and should be cut back hard after flowering.

- Ben Strain.** HELM-11. 30¢  
All the colors; 6 inshes.

### HELIANTHUS

Sunflowers. Compositae. Showy annuals and perennials, with fls ranging from 1" to 12" across and in height from 3-20 ft. They are showy in background plantings; also ideal bird food for the winter months; plant as early in the spring as possible but to miss heavy freezes.

- angustifolia.** HELA-1. 25¢  
Swamp Sunfl. Attractive in background; 6 ft; purple disks; HP.
- Abendsonne.** HELA-2AS. 20¢  
Beautiful new intermediate German var.
- Aureole Rheinland.** HELA-2AR. 25¢  
Wine-red zone on pure yellow ground.
- Chrysanthemum Flow'ed.** HELA-2CF. 25¢
- Double Gold.** HELA-2DG. 25¢  
Golden yellow; excellent for cutting.
- Dwarf Yellow.** HELA-2DY. 25¢  
Dwarf; double fls; white seeded.
- Dwarf Double.** HELA-2W. 25¢  
Double golden yellow; variegated lvs; 5".
- Goldener Neger.** HELA-2NG. 25¢  
Intermediate; golden petals; showy.
- Golden Tufts.** HELA-2GT. 25¢  
Orange-yellow.
- Excelsior Hybrids.** HELA-2H. 25¢  
Chestnut-red and brown zoned fls; tipped with yellow; 3-4 ft.
- Jupiter.** HELA-2J. 25¢  
Rich yellow self; black seed; 6 ft.
- Mars.** HELA-2M. 25¢  
Yellow with a dark brown center; black seed; 5 ft.

- Miniature Stella.** HELA-2MS. 25¢  
Golden yellow.
- Primrose.** HELA-2PR. 25¢
- Miniature.** HELA-2M. 25¢  
Small golden yellow fls on 5 ft stems.
- Rheinland.** HELA-2RL. 20¢  
Intermediate; wine-red on yellow ground 6 ft; Oz. 45¢.
- Southern Cross.** HELA-2SC. 25¢  
Yellow self with flowers 10-12 inches across; 4-5 ft.

- Henry Wilde.** HELA-2HW. 25¢
- Mixed Sunflowers.** HELA-X. 20¢

**HELICHRYSUM.** (hel-ik-KRYE-sum)  
Everlastings. Compositae. The Strawflower, *H. bracteatum*, is the commonly grown species; sow seed in rows in April or May or they can be started earlier indoors for early bloom; for drying cut before the flowers open much.

- bracteatum, Mixed.** HELI-4X. 20¢  
Heads 2½" ac; 3 ft; HA. Oz. \$1.25; lb. \$8.
- Fireball.** HELI-4S. 20¢
- Snowball.** HELI-4W. 20¢
- Golden Globe.** HELI-4G. 20¢
- Yellow.** HELI-4Y. 20¢
- Crimson.** HELI-4C. 20¢
- Tom Thumb Mixed.** HELI-4TX. 20¢  
A dwarf double strain for bedding or edging.

### OTHER HELICHRYSUM SPECIES:

- angustifolium.** HELI-1. 25¢  
Narrow leaved; fol. white; yellow fls; HHP.
- apiculatum.** HELI-3. 25¢  
Australian Everlasting. 2 ft; fls in terminal corymbs, golden yellow; treat as HA in N; perennial.
- bellidioides.** HELI-5. 30¢  
Trailing woody; N. Z.; silvery white heads HHP.
- argyrophierum.** HELI-9. 35¢
- Doerfleri.** HELI-7. 30¢  
South Rhodesian Strawflower.
- fulgidum.** HELI-11. 40¢  
Pretty; from South Rhodesia.
- monocephalum.** HELI-11M. 30¢  
With yellow flowers.
- obcordatum.** HELI-14. 50¢  
Gray Everlasting; small shrub to 5 ft; golden yellow fls; Australia.
- pachyrizum.** HELI-15. 40¢  
Dwarf slender woolly; heads deep pink; South Rhodesia.
- species (?).** HELI-21. 30¢  
Has little pink fls; pretty; S. Rhodesia.
- swynnerionii.** HELI-22. 40¢  
White flowered species from S. Rhodesia.

**HELIOPSIS.** (hee-le-OP-sis)  
Compositae. Hardy perennials with flowers much like Helianthus; 2 inches across and growing to 5 ft. They are excellent in the border and make good cut-flowers; sow seed from early spring up to August, usually where they are to grow.

- helianthoides.** HELO-1. 25¢  
Many yellow heads 2½" ac; 5 ft; HP.
- Pitcheriana.** HELO-1P. 25¢  
A deep rich yellow.
- scabra major.** HELO-4. 25¢  
Golden yellow; 5 ft; HP.
- Mixed.** HELO-X. 20¢

**HELIOTROPIUM.** (he-le-oh-TROH-pe-um)  
Heliotrope. Boraginaceae. Very fragrant flowers some kinds favorite GH plants and can be grown outdoors in the border; treat them as TA.

- ARBORESCENS:** This is the original species and all the improved garden forms are hybrids and selections from it; HHA; space 1 foot apart.
- Giant Valencia.** HELR-2V. 25¢  
A large flowered French variety.
- Souvenir.** HELR-2S. 25¢  
Another large flowered French variety.
- Marina.** HELR-2M. 25¢  
A giant German variety.
- Mammoth Flowered.** HELB-2MF. 25¢

A strain from Holland.

—Regale Dwarfs.

Dark blue flowers.

—Olympic.

—King of the Blacks.

Dark violet flowers.

Giant Lemoinii.

Giant flowers, mixed colors.

—Above Mixed.

HELR-2RD. 25¢

HELR-2P. 25¢

HELR-2K. 25¢

HELR-2L. 25¢

HELR-2X. 25¢

## HELIPTERUM

Everlastings. Compositae. Annuals from S. Africa, treated as HHA in the North; easily grown started indoors or planted outside the end of May; the genus Rhodanthe is now listed in this genus as well, also, the species roseum of Acroclinium.



### HELIPTERUM — roseum (Strawflower)

—chinense.

HELP-4. 30¢

Late flowering shrub; 5 ft; HHSh.

HELP-5. 25¢

—Humboldtianum.

A neat little plant with golden flower-heads; July-Aug; 1 ft; HA; space 10 inches.

HELP-8. 25¢

—Manglesii.

Charming dwarf annual formerly listed under Rhodanthe; bears clusters of dainty nodding bright rose flower-heads; July-Sept; HA; space 1 ft.

HELP-8M. 25¢

—maculatum.

Swan River Daisy. Bracts spotted red;

18"; HHA.

HELP-8Z. 25¢

—Rose Center.

HELP-8W. 25¢

—White.

HELP-10. 25¢

—oseum.

Usually listed under Acroclinium; a fine "everlasting"; as well as showy in the border; single fls; (C-1); HA; July-Sept.

HELP-X. 25¢

—Sanfordii: see Humboldtianum.

—Mixed Helipterum.

HELP-X. 25¢

### GYPSOPHILA.

(gip-SOFF-il-ah)

Baby's Breath. Caryophyllaceae. Hardy annuals and perennials of great value as cut-flowers; some are good RG plants. The flowers are small and numerous, in yellow, white or rose, one makes good "everlasting" flowers.

**G. ELEGANS:** Hardy annuals grown mainly for cut-flowers; they are valuable for this purpose. Succession planting can be made every week during spring months. In the South they should be planted in the fall; blooms in 6-8 weeks; 2 ft

—Super White.

GYP-5M. 20¢

A special market growers strain. Oz. 50¢; lb. \$2.00; 5 lb. for \$6.00.

—London Market.

GYP-5L. 20¢

English growers strain. Same prices as above.

GYP-5C. 20¢

—Crimson.

GYP-5S. 20¢

—Rose.

GYP-5Z. 20¢

—White.

GYP-5W. 20¢

—Blend of Above.

GYP-5X. 20¢

Oz. 50¢; lb. \$2.50. Above colors.

### GYPSOPHILA SPECIES:

—acutifolia.

GYP-1. 40¢

White fls, larger than G. paniculata; Cas-  
cucus; HP.

—cerastioides.

GYP-3. 30¢

Mouse-ear G. Downy; creeper, 3"; white  
RG; HP.

—Manginii.

GYP-12. 35¢

Mongolian G. Rosy white fls in small  
panicles; HP.

—muralis.

GYP-13. 35¢

Charming dwarf species for RG; small  
rose colored fls on slender stems; June-  
Sept; 6-9"; HA; space 9".

—Oldhamiana.

GYP-15. 30¢

Bright flesh-pink fls; mid-summer to frost  
3 ft; HP.

—pacifica.

GYP-16. 30¢

Pale rose or purple fls; 3 ft; Siberia; HP.

—paniculata.

GYP-18. 20¢

Baby's Breath. It grows 2-3 ft; small  
white fls that make up very well in bouquets  
or for dried flowers; HP.

—Single White.

GYP-18W. 20¢

A select strain. Oz. 90¢; lb. \$9.00.

—Double White.

GYP-18DW. 30¢

Oz. \$4.00.

—repens Pink.

GYP-21P. 30¢

Trailer to 6"; blooms early; RG; HP. Oz.  
\$1.75.

—White.

GYP-21W. 30¢

Oz. \$1.65.

### HELLEBORUS.

(hel-le-BOH-rus)

Christmas Rose, Helebore. Ranunculaceae. Perennials blooming very early in the spring, even late winter; thrive in rich moist soil and partial shade. Sometimes forced under glass; stratify seed during winter and sow in the spring or plant late in the fall.

—lividus. (corsicus)

HELB-9. 50¢

Pale slate-blue fls in clusters; corsicus is supposed to be greenish (?); 18"; HP; best time to divide plants is after flowering.

—niger.

HELB-10. 50¢

Christmas Rose. White fls; 1½ ft; hardy; HP. Oz. \$2.50.

—maximus.

HELB-10M. 50¢

Has larger flowers.

—odorus v. cupreus.

HELB-12C. 50¢

Copper-colored fls; 15"; HP.

—atrosanguineum.

HELB-12A. 50¢

Red flowers; HP.

—olmpicus.

HELB-13. 50¢

White flowers; HP.

—viridis.

HELB-18. 50¢

Yellowish green flowers; 2 ft; HP.

—Mixed.

HELB-X. 40¢

### HEMEROCALLIS.

(hem-er-oh-KAL-is)

Day Lily. Liliaceae. Mainly tuberous root-ed perennials easily grown from seed.

—Peerless Blend.

HEME-XP. 30¢

From hand pollinated varieties including reds and pinks.

### HERACLEUM.

(hehr-ak-KLEE-um)

Cow-Parsnip. Umbelliferae. Course herbae-ous perennials used for bold effect in the border or wild garden; flowers pink or white, and very small and in large umbels; sow seed in the fall to germinate in the spring.

—Mantegazzianum.

HERA-2. 30¢

Deeply cut white fls in umbels to 4 ft. ac;  
9 ft; HP; try sowing seed in fall to germin-  
ate in the spring.

**HERBERTIA.**

Iridaceae. Bulbous plants with basal lvs; Texas to Chile.

—*pulchella*.

**HERB-2.** 35¢

**HESPERANTHA.**

Iridaceae. Tender S. Af. bulbous plants very similar to Ixias; flowers star-shaped, opening in the evening; fragrant; sunny spot; sandy loam with some peat; treat as pot plant in North.

—*Bauri*.

**HESPR-1.** 50¢

Bright rose-red fls; 2 ft; Transvaal.

**HESPERIS.**

Rocket. Cruciferae. Hardy biennials and perennials of erect branching habit, bearing white, rose or mauve-purple fls in pyramidal spikes; excellent cut-flowers; June-July; 1-3 ft; fragrant; sow seeds any time up to August for flowers the following season.

**H. MATRONALIS:** Sweet Rocket. The commonly grown garden species. Perennial but sometimes biennial; hardy in the North; sow seed a year before they are to bloom.

—*White*.

**HESP-6W.** 20¢

—*Red*.

**HESP-6R.** 20¢

—*nana candidissima*.

**HESP-6C.** 20¢

A dwarf form; pure white fls.

—*Violet*.

**HESP-6V.** 20¢

—*Mixed*.

**HESP-6X.** 20¢

Any of Above: Oz. 45¢; lb. \$3.00.

**HESPEROYUCCA.**

(hes-per-oh-YUK-ah) Liliaceae. One species from S. Calif. much like the Yucca hardy in the (X) zone.

—*Whipplei*.

**HSPR-1.** 35¢

Creamy white fls, 2" ac; fragrant; in nodding panicles; TP.

**HETEROMELES.**

(het-er-ooh-MEE-leez) Rosaceae. One species native of Calif. a nice shrub and much planted, especially for its attractive berries.

—*arbutifolia*.

**HETM-1.** 40¢

(ar-bew-tif-FOH-lee-us) Christmas Berry. One evergreen shrub native of Calif and a popular source for Xmas berries.

**HETEROMORPHA.**

—*trifoliata*.

**HETO-1.** 30¢

**HETEROPAPPUS.**

(het-er-oh-PAP-pus) Compositae. Hardy Asiatic pedennials allied to Boltonia; nice border plants.

—*Blaugrithi*.

**HETP-1.** 35¢

**HEUCHERA.**

(HEU-her-ah) Alum-Root. Saxifragaceae. Herbaceous perennials, usually of dwarf compact habit, flowering in June-Sept and valued for a low border or RG; sunny place; good loamy soil seeds germinate best warm and in light.

**H. SANGUINEA:** Commonly grown species found on cliffs and hills.

**HEU-20S.** 25¢

Very pretty large scarlet flowered type.

—*splendens*.

**HEU-20P.** 25¢

Dark crimson variety.

—*Hybrids and Mixed*.

**HEU-X.** 25¢

**OTHER SPECIES:**

—*cylindrica v. glabella*.

**HEU-7G.** 25¢

Yellowish green fls; 2½ ft; HP.

—*maxima hybrids*.

**HEU-12M.** 30¢

Please do NOT write letters on orders!

**HIBISCUS.**

(hye-BISK-us) Rose Mallow. Malvaceae. Tender plants to trees with showy flowers in many colors. The annuals should be sown in pots or bands or direct to the garden; rich soil with moisture.

—*coccineus*.

**HIBS-5.** 30¢

Rose-red to crimson 6" ac; 10 ft; swamps in Ga.

—*Manihot*.

**HIBS-26.** 30¢

Yellow to white, dark brown centers, 9" ac; 9 ft.

—*militaris*.

**HIBS-27.** 30¢

White or pink fls; purple centers; 5" ac; 6 ft.

—*Moscheutos*.

**HIBS-28.** 30¢

(mos-KAY-eu-tus) Pink, rose or white; 8 ft; HP.

—*alba*.

**HIBS-28W.** 30¢

—*mutabilis*.

**HIBS-29.** 50¢

(mew-TAB-il-iss) Cotton Rose; various colors; (IX).

—*paramutabilis*.

**HIBS-33.** 30¢

Similar to *mutabilis*; broader sepels.

—*Rosa-sinensis*.

**HIBS-36.** 50¢

Rose of China. Sh to 30 ft.

**HIBS-37.** 35¢

Sabdariffa. Roselle or Jamaica Sorrel. Sub-tropical plant grown for its fleshy calyx; used in making jams, etc. Bushy; 4 ft; attractive maroon fls; set plants 5 ft apart; sow early in spring; grow like tomatoes.

—*svriacus*.

**HIBS-41.** 30¢

(sihr-RYE-ak-us) Rose of Sheron. (IV).

—*flora pleno*.

**HIBS-41D.** 35¢

Double flowers; (IV). with dark centers; 2 ft; HA.

—*Trionum*.

**HIBS-45.** 30¢

Flower-of-the-Hour. Yellow or white,

—*Mixed Species and Varieties.* **HIBS-X.** 25¢

**HIERACIUM.**

(hy-er-AY-shi-um)

Compositae. Perennials with red, orange or yellow flowers, some of which are called Hawk-weed. Easily grown; leaves in rosettes with the flowers in heads on erect spikes; cut fls off directly after flowering will check the reseeding.

—*aurantiacum*.

**HIER-3.** 35¢

Devil's Paint Brush. Orange fls; 15"; HP.

—*faeroense*.

**HIER-6.** 30¢

**HIER-14.** 50¢

**HIER-19.** 25¢

—*pilosum*. Bright golden yellow; 2 ft; HP.

—*Mixed*.

**HIER-X.** 25¢

**HIPPOPHAE.**

(hip-POFF-uh-ee)

Sea-Buckthorn. Elaeagnaceae. Shrubs and small trees covered with silvery scales; sow seed in the fall to germinate in the spring; for flowers keep till sex is determined.

—*rhomboides*.

**HIPO-1.** 30¢

Sea Buchthorn. Bright orange-yellow fls; to 30 ft; very hardy.

**HOHERIA.**

(hoh-HEER-ee-uh)

Malvaceae. A genus of ornamental flowering trees confined to N. Z.; they can be grown out doors in the (X) zone.

—*angustifolia*.

**HOHE-2.** 50¢

Straggling and interlaced; eventually becoming slender and spreading; bears masses of white fls; 15 ft; (IX); N. Z.

—*populnea*.

**HOHE-7.** 50¢

Most beautiful tree with handsome foliage covered in autumn with sheets of white starry fls often concealing the lvs; 12 ft; try in pots; (IX); N. Z.

—*Osbornei*.

**HOHE-10.** 50¢

Uncommon free-blooming form; white fls

with bluish purple stamens; under surface of lvs deeply tinted; recommended highly; try it in pots; (X); 10 ft; N. Z.

—*purpurea*.

Leaves with coppery veins and under surface; hybrid of Duncan and Davies; 18 ft; (X).

—*N. Z.* species.

**HOHE-X**

## HOLLYHOCKS

(*Althaea rosea*). Malvaceae. They are perennials excepting a few annuals. Do best in a rich soil and warm place sheltered from strong winds; seed can be started from early spring to August.

**ANNUAL TYPES:** When planted early in the spring they flower the same year; they are not as high as the hardy types; July.

—*Indian Chief*.

**HOLY-3C. 20¢**

Half double; deep amaranth-purple; 4 ft.

—*Indian Spring*.

**HOLY-3D. 20¢**

Rose and pink shades; 4 ft.

—*Indian Summer*.

**HOLY-3S. 20¢**

Double pink fls.

—*Mixed*.

**HOLY-3X. 20¢**

### PERENNIAL VARIETIES:

—*Allegheny Mixed*.

**HOLY-2A. 20¢**

Semi-double 5" ac; petals fringed.

—*Colorado Sunset*.

**HOLY-2C. 25¢**

New strain; buff-apricot; pretty; double. **CHATER'S DOUBLE:** These grow 6 ft and are the best double strain. Colors are the finest. Oz. \$1.75.

—*Carmine*.

**HOLY-4C. 20¢**

—*Carmine-rose*.

**HOLY-4R. 20¢**

—*Cream*.

**HOLY-4M. 20¢**

—*Crimson*.

**HOLY-4CM. 20¢**

—*Lavender*.

**HOLY-4V. 20¢**

—*Lilac*.

**HOLY-4L. 20¢**

—*Pink*.

**HOLY-4K. 20¢**

—*Purple*.

**HOLY-4P. 20¢**

—*Deep Scarlet*.

**HOLY-4S. 20¢**

—*Sulphur-yellow*.

**HOLY-4Y. 20¢**

—*Violet*.

**HOLY-4T. 20¢**

—*Pure White*.

**HOLY-4W. 20¢**

—*Salmon*.

**HOLY-4A. 20¢**

—*Deep Rose*.

**HOLY-4Z. 20¢**

—*Chater's Mixed*.

**HOLY-4X. 20¢**

### HEVEA.

(*HEE-vee-uh*)

—*brasiliensis*.

**HEVA-1. 50¢**

Para Rubber; Caoutchouc Tree. Grown in GH; (X). 100 seeds \$3.50.

### HOLMSKIOLDIA.

(*holm-skee-OLD-ee-uh*)

Verbenaceae. Shrubs hardy in the South or in the greenhouse in the North.

—*sanguinea*.

**HOLM-1. 30¢**

Chinese Hat Plant. Ev. tree to 30 ft; can be grown out doors in S; (X).

### HOMERIA.

(*ho-MER-ee-ah*)

—*collina*.

**HOME-1. 35¢**

Beautiful clear orange fls; fugacious but plentiful; 1½ ft; easy; S. Af; grow like Ixia; HHBb;(VII).

### HOMOGYNE.

(*ho-MO-gee-né*)

Small perennials with white or purple heads; found in the mountains of C. Eur.; they thrive in moist soils.

—*alpina*.

**HOMO-1. 35¢**

Yellow fls; 6"; HP.

### GERMINATION RECORDS

On many of the less common species the germination details are not known as well as Asters, etc. It would be nice if customers would send in their results.

### HORDEUM.

—*jubatum*.

(HORD-ee-um) (HORD-1. 25¢) Squirrel-tail Grass. Drooping spikes; 2½ ft; HB or Per.

### HOVENIA.

—*dulcis*.

(hoh-VEEN-ee-uh) (HOVA-1. 50¢) Japanese Raisen-tree. Easy; (IV).

### HOWEA.

—*Belmoreana*.

(HOW-ee-ah) (HOWE-1. 75¢) (Kentia B) Greenhouse Palm of great beauty as tub plant. 100 seeds \$5.00; 1.000. \$23.00.

—*Forsteriana*.

(HOW-ee-ah) (HOWE-2. 75¢) (Kentia F.) Excellent greenhouse Palm; tubs. 100 seeds \$4.00; 1,000, \$20.00.

**NOTE:** These should be fresh and therefore orders may be delayed in filling; if you wish them in quantity, book your order well in advance.

### HOWITTIA.

—*trilocularis*.

(HOWI-12. 35¢) Tall shrub carrying masses of purple fls, 1" across; like a small Hibiscus blossom.

### HUDSONIA.

(hud-SOH-nee-uh) Beach-Heather. Small ev. shrubs with awl-like leaves and solitary yellow fls. Colonize in sandy soil; difficult to grow.

—*tomentosa*.

(HUDS-4. 35¢) Tufted plant; golden fls; 8 inches; HP.

—*ericoides*.

(HUDS-1. 35¢) Golden Heather. 6" bushy green shrub; golden mass of fls; seeds delivered in July; barren sandy soil.

### HUMULUS.

(HEW-mee-lus) Hop. Moraceae. Tall hardy twining vines; very ornamental for porches, etc.

—*japonica*.

(HUMU-3. 25¢) One of the most rampant and rapid growing of all climbers. Sow seed in pots in cold frame in April or where they are to grow; give support immediately; HA; 10-20 ft. Oz. 90¢.

—*variegatus*.

(HUMU-3V. 25¢) Foliage streaked and splashed with pure white. Oz. 90¢.

—*Mixed*.

(HUMU-3X. 20¢)

### HUNNEMANNIA.

(hun-em-MAN-ee-uh)

—*fumariaefolia*.

(HUNN-1. 25¢) Santa Barbara Poppy; Golden Cup. Yellow fls, 3" across; 2 ft; warm sunny spot; grow as TA; TP.

—*Sunlite*.

(HUNN-1S. 25¢) A bright yellow variety.

### HURA.

—*crepitans*.

(HEW-ruh) (HURA-1. 50¢) Sand-box Tree. Greenhouse; (X). 100 seeds \$4.50.

### HYACINTHUS.

(hye-uh-SINTH-us) Hyacinth. Liliaceae. Bulbous plants of great garden value; some listed were formerly under Galtonia and Muscari. Bulbs can be had in the fall; see bulb list.

—*amethystinus alba*.

(HYAC-1A. 25¢) Nodding white fls; 6" high; Spain; HP.

—*candicans*: see *Galtonia candicans*.

—*ciliatus*.

(HYAC-2. 40¢) (*azureus*) Daintiest of the H; has short stems; China-blue; 3 inches.

Because the type was completely reset for this issue, there will be some small errors — they will be corrected in next issue.

|   |   |  |                      |
|---|---|--|----------------------|
| <b>HYDRANGEA.</b>   | (hye-DRAYN-jee-ah)                        | <b>IBERIS.</b>   | (y-BEE-ris)          |
| Saxifragaceae. Ornamental shrubs with showy terminal flowers.   |   | Candytuft. Cruciferae. These come in half-hardy annuals and evergreen perennials; easily grown from seed. The annuals can be sown the later part of May; germinate quickly and flower in a short time; in the South sow in the fall. Keep plants growing and well watered; clip the seed pods off as they easily go to seed. |                      |
| — <i>paniculata</i> .<br>To 30 ft; white fls.   | <b>HYDR-15. 35¢</b><br><b>Lb. \$5.00.</b> | I. <b>AMARA:</b> (coronaria) Rocket Candytuft. Erect annuals; 1 ft; usually with large umbel-like flower heads.  |                      |
| <b>HYDRASTIS.</b>   | (hye-DRASS-tiss)                          | — <b>Giant White.</b>  | <b>IBER-2H. 25¢</b>  |
| — <i>canadensis</i> .<br>Golden Seal.   | <b>HYGS-1. 40¢</b>                        | Large reselected florist strain. Oz. 60¢.  |                      |
| <b>HYDROPHYLLUM.</b>  | (hye-droh-FILL-um)                        | — <b>Giant Hyacinth-flowered.</b>  | <b>IBER-2F. 25¢</b>  |
| — <i>capitatum</i> .<br>Water Leaf. Woods flower; pink; 3"; HP  | <b>HYDP-4. 40¢</b>                        | Extra select strain; large compact heads.  |                      |
| <b>HYMENANTHERA.</b>  | (hi-men-ANTH-er-uh)                       | — <b>coronaria.</b>  | <b>IBER-2C. 20¢</b>  |
| — <i>crassifolia</i> .<br>Low growing shrub with white berries; good for banks; 4 ft; (IX); N. Z.   | <b>HYMN-4. 50¢</b>                        | Flowers with white crown; pretty type.   |                      |
| — <i>obovata</i> .<br>Very variable sh; gray bark and purple berries; 6 ft; (IX); N. Z.   | <b>HYMN-12. 50¢</b>                       | — <b>Empress nana.</b>   | <b>IBER-2E. 20¢</b>  |
| <b>HYMENOSPORUM.</b>  |   | Dwarf, large white spikes.   |                      |
| — <i>flavum</i> .<br>Yellow fls; Australian tree or shrub to 50 ft; (IX).   | <b>HYMP-1. 30¢</b>                        | — <b>princeps.</b>   | <b>IBER-2P. 20¢</b>  |
| <b>HYOSCYAMUS.</b>  | (hy-oh-SYE-am-us)                         | Very dwarf but with large heavy white spikes.  |                      |
| Henbane. Solanaceae. Funnel-shaped fls in spikes, best in poor soils. They should be used in large borders; some are grown for medicinal purposes.  |   | — <b>White Rocket.</b>   | <b>IBER-2R. 20¢</b>  |
| — <i>niger</i> .<br>Greenish yellow fls, veined purplish; 2½ ft; HB or HA.  | <b>HYOS-3. 30¢</b>                        | Will stand more unfavorable conditions.  |                      |
| <b>HYPERICOPHYLLUM.</b>   |   | — <b>Miniature Gem.</b>  | <b>IBER-2M. 20¢</b>  |
| — <i>compositarum</i> .<br>Pretty Rhodesian flower; 3-4 ft; bright orange.  | <b>HYPE-1. 30¢</b>                        | New; 4 inches high with 4-6 spikes per plant; nice edging.   |                      |
| <b>HYPERICUM.</b>   | (hy-PEHR-ik-um)                           | — <b>Above Mixed.</b>  | <b>IBER-2X. 20¢</b>  |
| St. John'swort. Hypericaceae. Very decorative pedennials and shrubs, usually with bright yellow fls and many showy stamens. Grow best in a sandy loam in partial shade; they are not hardy in the North but with shelter and in protected spots can be grown in zone (IV).  |   | I. <b>UMBELLATA:</b> Globe Candytuft. Half hardy annuals; not fragrant; commonly grown in the garden.  |                      |
| — <i>calycinum</i> .<br>Seed very fine; sow carefully.  | <b>HYPR-12. 50¢</b>                       | — <b>White.</b>  | <b>IBER-17W. 20¢</b> |
| — <i>Coris</i> .<br>Sub-sh; 1 ft; fls in cymes; (VI).   | <b>HYPR-18. 50¢</b>                       | — <b>Carmine.</b>  | <b>IBER-17M. 20¢</b> |
| — <i>Hookerianum</i> .<br>Sh to 6 ft; fls 2½" ac; far S; (X).   | <b>HYPR-40. 35¢</b>                       | — <b>Mixed.</b>  | <b>IBER-17X. 20¢</b> |
| — <i>olympicum</i> .<br>Shrubby; 9" high; large deep golden fls; HHSh.  | <b>HYPR-58. 40¢</b>                       | <b>OTHER SPECIES:</b>  |                      |
| — <i>polyphyllum</i> .<br>Golden fls; sh; 6"; (VIII); Cilicia   | <b>HYPR-63. 40¢</b>                       | — <b>affinis.</b>  | <b>IBER-1. 20¢</b>   |
| — <i>patulum</i> .<br>Shrub to 3 ft; fls 2" ac; Japan; (VI).  | <b>HYPR-60. 40¢</b>                       | Erect to 16 inches; white fls with lilac tinge; HA.  |                      |
| — <i>Henry</i> .  | <b>HYPR-60H. 40¢</b>                      | — <b>jucunda.</b>  | <b>IBER-4. 25¢</b>   |
| — <i>repens</i> .<br>Golden carpet in late summer; prostrate shrub; (IX).   | <b>HYPR-70. 40¢</b>                       | (Aethionema coridifolium) 4-6"; rosy lilac fls in racemes; HP.   |                      |
| — <i>Mixed</i> .  | <b>HYPR-X. 25¢</b>                        | — <b>ibiza</b> .   | <b>IBER-5. 25¢</b>   |
| <b>HYPOXIS.</b>   | (hye-POZ-iss)                             | Edging; large purple fls in flat clusters; 10"; TP.  |                      |
| — <i>species</i> (?).<br>Golden flowers; S. Rhodesia.   | <b>HYPX-4. 25¢</b>                        | — <b>saxatalis.</b>  | <b>IBER-12. 40¢</b>  |
| <b>HYSSOPUS.</b>  | (HISS-op-us)                              | Evergreen; to 6"; white fls in corymbs; HP.  |                      |
| Hysop. Ornamental herbs useful as a culinary or medicinal herb. Light soils; lime; See herb list.   |   | — <i>concrevirens</i> .  | <b>IBER-14. 20¢</b>  |
| — <i>officinalis</i> .  | <b>HYSS-1. 25¢</b>                        | Pure white; edging; evergreen. HHP.  |                      |
| We carry the most complete stock of<br>Herb Seeds listed anywhere in the world.   |   | — <i>Above species Mixed.</i>  | <b>IBER-X. 20¢</b>   |
| <b>IBICELLA.</b>  |   |  |                      |
| Martyniaceae. S. Amer. plants; fls are in dense compact terminal racemes.   |   |  |                      |
| — <i>lutea</i> .  |   | <b>IBIC-2. 35¢</b>   |                      |
| (M <sup>a</sup> rthynia, Proboscidea) TA; 1½ ft; fls greenish yellow; fruits are used as pickles; Argentina.  |   |  |                      |
| <b>IBOZA.</b>   |   |  |                      |
| — <i>riparia</i> .  |   | <b>IBOZ-5. 35¢</b>   |                      |
| Ginger Plant. Creamy white fls; dark anthers; grow much like Salvia or Coleus; S. Africa.   |   |  |                      |
| <b>ILEX</b>   |   |  |                      |
| Aquifoliaceae. Evergreen and deciduous trees and shrubs having glossy leaves and brilliantly colored berries. They are very ornamental but some species are not hardy in the North. They require an acid soil and the germination of the seed will be more successful if the soil used is mostly peat or decayed saw dust. Seed should be stratified as they germinate the second year. |   |  |                      |
| — <i>Aquifolium</i> .   |   | <b>ILEX-2. 35¢</b>   |                      |
| English Holly. Oz. 40¢.   |   |  |                      |

|  |              |
|--|--------------|
| —variegatis.   | ILEX-2V. 40¢ |
| —cornuta.  | ILEX-9. 25¢  |
| Shrubby to 10 ft; hardy in (V).                                |              |
| —crenata.  | ILEX-10. 25¢ |
| Japanese Holly. To 20 ft; fine.                                |              |
| —glabra.   | ILEX-17. 25¢ |
| Ink-berry. Hardy in N; black fruit; for shade; evergreen.      |              |
| —laevigata.  | ILEX-21. 30¢ |
| Winter-berry. Good; scarlet berries in clusters; swamps; 6 ft. |              |
| —paraguariensis.   | ILEX-29. 50¢ |
| Evergreen shrub or tree to 30 ft; (X).                         |              |
| —verticillata.   | ILEX-37. 20¢ |
| Black Alder. Shrub to 10 ft; bright red berries; hardy.        |              |
| —Mixed Ilex.   | ILEX-X. 20¢  |

### IMPATIENS

Garden Balsam; Touch-me-not. Balsaminaceae. Annuals and perennials, grown in the garden or greenhouse for their odd and showy flowers. They are all tender to frost.

|                          |  |
|--------------------------|--|
| <b>I. BALSAMINA:</b>     | The popular garden Balsam with its rose-shaped fls in white, lavender, lemon-yellow and many shades of reddish. Sow in April indoors or in June direct to the garden; rich sandy loam; ample moisture; 2 ft. |
| —Single Mixed.           | IMPA-2SX. 20¢  |
| —Camelia-flowered Mixed. | IMPA-2CX. 25¢  |
| —Double Bush Mixed.      | IMPA-2BX. 20¢  |
| —Scarlet.                | IMPA-2BS. 25¢  |
| —Dwarf Mixed.            | IMPA-2DX. 20¢  |
| —Rose Flowered, Mixed.   | IMPA-2ZX. 25¢  |

**I. HOLSTII:** Red-striped stems and flowers varying from white to scarlet; usually grown in GH for summer border subjects; TP.

|                            |              |
|----------------------------|--------------|
| —Carmine.                  | IMPA-7C. 20¢ |
| —Morganrote.               | IMPA-7M. 25¢ |
| A nice red German variety. |              |
| —Schottenglut.             | IMPA-7S. 30¢ |
| A fine dark red.           |              |
| —Salmon.                   | IMPA-7N. 20¢ |
| —Vermilion.                | IMPA-7V. 25¢ |
| —Mixed.                    | IMPA-7X. 20¢ |

**I. SULTANII:** Best known greenhouse subject; a favorite house plant and easily grown the year around; can be grown out doors during frost free period. in shad.

|                       |               |
|-----------------------|---------------|
| — <i>ara</i> Carmine. | IMPA-16M. 25¢ |
| —Karminzwerg.         | IMPA-16K. 25¢ |

Nice carmine variety.

**INDIGOFERA.** (in-di-GO-fe-rah) Indigo. Leguminosae. Pretty ornamental plants for the border or shrubbery, many of which are not hardy in the far North. Some can be grown in the GH or for window treatment.

|   |              |
|---|--------------|
| —Dosua.   | INDI-5. 25¢  |
| Red fls in racemes; low shrub; India; TP.                 |              |
| —Potanini.  | INDI-13. 25¢ |
| Lilac-pink fls in racemes; hardy in North; shrub to 5 ft. |              |

### INGA.

—dulcis: see *Pithecellobium dulce*.  
—Saman: see *Samanea saman*.

**INCARVILLEA.** (in-kahr-VIL-ee-ah) Bignoniacae. Showy and fairly hardy perennials from China, producing terminal clusters of red and yellow tubular flowers above a basal group of vivid green leaves. Sow seeds up to Aug. for next season's flowers; give winter protection in the North.

|            |             |
|------------|-------------|
| —Delavyii. | ICAR-2. 25¢ |
|------------|-------------|

|   |              |
|---|--------------|
| Rose-purple fls, with yellow tubes; very nice 2 ft; HP. |              |
| — <i>grandiflora brevipes</i> .                         | ICAR-4B. 35¢ |
| Crimson-purple fls; Gloxinia-like; RG; 10"; HP.         |              |
| — <i>variabilis</i> .                                   | ICAR-9. 30¢  |
| Cream to pale rose; tubular; everbearing; easy; HB.     |              |
| — <i>Mixed</i> .  | ICAR-X. 20¢  |

**INULA.** (IN-yu-la) Compositae. Showy herbaceous perennials, most off which are hardy in the North; large daisy-like heads of yellow or orange flowers. They make a brilliant display and grows well in average soil but requires a sunny position.

|  |               |
|--|---------------|
| — <i>glandulosa</i> .                                  | INUL-6. 20¢   |
| Solitary yellow heads; 4 ft; HP.                       |               |
| — <i>Helenium</i> .                                    | INUL-9. 50¢   |
| Elecampane. Yellow fl-heads, 4" ac; 6 ft; N. Asia; HP. |               |
| — <i>Oculus-Christii</i> .                             | INUL-17. 25¢  |
| Pretty yellow heads; 2-3 ft; HP.                       |               |
| — <i>Royleana</i> .                                    | INUL-19. 50¢  |
| Orange-yellow fl-heads, 4" ac; 2 ft; HP.               |               |
| — <i>salicina</i> .                                    | INUL-20. 20¢  |
| Golden yellow; 1½" across; 2 ft; HP.                   |               |
| — <i>aspera</i> .                                      | INUL-20A. 25¢ |
| — <i>iaphsioides</i> .                                 | INUL-23. 20¢  |
| — <i>Mixed</i> .                                       | INUL-X. 20¢   |



IPOMOEAE — Cornell

### IPOMOEA

Morning Glory. Convolvulaceae. They are mainly twining annual and perennial vines. The genus is widely distributed and comes in many kinds and habits. They are all easily grown from seed; file a notch in seed for better germination. All tender to frost. See Convouvlus and Quamoclit for other forms closely related.

#### NEW GIANT FLOWERING JAPANESE:

The flowers measure up to 8" across; protect from the wind and best results will be had by growing them in pots; be careful in watering as all Morning Glories are shy bloomers if too wet. The packets below contain 5 seeds.

|   |                |
|---|----------------|
| —Deep carmine with white edges..r ..... |                |
| —Akatsuki No Keisei.                    | IPOM-19AK. 30¢ |
| —Beni Jishi.                            | IPOM-19BJ. 25¢ |
| Brilliant red flowers.                  |                |
| Deep red with white markings.           |                |
| —Chiyo No Al.                           | IPOM-19CA. 25¢ |
| Deep blue.                              |                |
| —Chiyo No Okina.                        | IPOM-19CO. 25¢ |
| Purple-red with white.                  |                |
| —Chiyo No Tsuyu.                        | IPOM-19CT. 25¢ |
| Large light sky-blue; showy white base. |                |
| —Chiyo No Yuki.                         | IPOM-19CY. 25¢ |
| Pure white flowers.                     |                |
| —Dai Nichirin.                          | IPOM-19DN. 25¢ |
| Deep carmine-red.                       |                |
| —Ei Kau.                                | IPOM-19EK. 25¢ |

|  |                         |  |                       |
|--|-------------------------|--|-----------------------|
| Deep carmine with white markings; uncommon color.  |                         | <b>Pearly Gates.</b>   | <b>IPOM-1P.</b> 20¢   |
| — <b>En Nen No Mai.</b>  | <b>IPOM-19EM.</b> 25¢   | Pure white, faint creamy sheen in center.  |                       |
| Silvery gray with white.   |                         | — <b>Rose Marie.</b>   | <b>IPOM-1RM.</b> 25¢  |
| — <b>Fuji.</b>   | <b>IPOM-19FJ.</b> 25¢   | Only double; deep rose; early.   |                       |
| Deep carmine-red.  |                         | — <b>Scarlet O'Hara.</b>   | <b>IPOM-1S.</b> 20¢   |
| — <b>Fuku Musume.</b>  | <b>IPOM-19FM.</b> 25¢   | Dark wine-red; showy and popular.  |                       |
| Purple-rose with a white edge.   |                         | — <b>Summer Skies.</b>   | <b>IPOM-1SS.</b> 20¢  |
| — <b>Heian No Hokori.</b>  | <b>IPOM-19HH.</b> 25¢   | Large flowered sky-blue.   |                       |
| Deep carmine-red with white edge.  |                         | — <b>White Magic.</b>  | <b>IPOM-1W.</b> 20¢   |
| — <b>Heian No Kasumi.</b>  | <b>IPOM-19HK.</b> 25¢   | Large fleecy white, blending to cream in throat.   |                       |
| Cherry-red with white edge.  |                         | — <b>Above Mixed.</b>  | <b>IPOM-1X.</b> 20¢   |
| — <b>Heian No Yume.</b>  | <b>IPOM-19HY.</b> 25¢   | Oz. 60¢; lb. \$5.00. Any above varieties: Oz. 75¢.   |                       |
| Purplish rose with snow flake white.   |                         | <b>OTHER IPOMOEA SPECIES:</b>  |                       |
| — <b>Heian No Yorokibi.</b>  | <b>IPOM-19HO.</b> 25¢   | — <b>beraviensis.</b>  | <b>IPOM-5.</b> 30¢    |
| Deep red with white edge.  |                         | ( <i>I. stictocardia</i> ) From E. Africa; TP; cl.   |                       |
| — <b>Heian No Sakae.</b>   | <b>IPOM-19HS.</b> 25¢   | — <b>hoorna-nx.</b>  | <b>IPOM-4.</b> 25¢    |
| Brown with white edge.   |                         | ( <i>Calonyction</i> ) Moonflower. White fls.  |                       |
| — <b>How Den.</b>  | <b>IPOM-19HD.</b> 25¢   | — <b>issecta.</b>  | <b>IPOM-8.</b> 25¢    |
| Deep brown with white edge.  |                         | Twining perennial; white with purple throat; Texas.  |                       |
| — <b>Hanagasa.</b>   | <b>IPOM-19HG.</b> 25¢   | — <b>hederacea superba.</b>  | <b>IPOM-10S.</b> 25¢  |
| Deep red with lighter red markings.  |                         | Improved form; blue or blue-purple.  |                       |
| — <b>Hyukan.</b>   | <b>IPOM-19RK.</b> 25¢   | — <b>grandiflora.</b>  | <b>IPOM-10G.</b> 25¢  |
| Brilliant red with white edge.   |                         | Learves are striped white in this form.  |                       |
| — <b>Kageitsu.</b>   | <b>IPOM-19KU.</b> 25¢   | — <b>hederifolia:</b> see also under <i>Quamoclit coccinea</i> varieties.  |                       |
| Deep rose sef.   |                         | — <b>lindheimii.</b>   | <b>IPOM-16.</b> 25¢   |
| — <b>Kiso No Tsukh.</b>  | <b>IPOM-19KT.</b> 25¢   | — <b>noctiflora:</b> see <i>Calonyction aculeatum</i> .  |                       |
| Deep reddish brown with white.   |                         | — <b>selosa.</b>   | <b>IPOM-34.</b> 30¢   |
| — <b>Furusato.</b>   | <b>IPOM-19FR.</b> 25¢   | Brazilian M. G. Large pink fls; no thorns HHV.   |                       |
| Deep red, stripped rose with white edge.   |                         | — <b>Above Species Mixed.</b>  | <b>IPOM-X.</b> 25¢    |
| — <b>Hatsu Arashi.</b>   | <b>IPOM-19HA.</b> 25¢   |  |                       |
| Purple-blue.   |                         | <b>IRIS</b>  |                       |
| — <b>Himomaru.</b>   | <b>IPOM-HM.</b> 25¢     |  |                       |
| Pure white with showy red base coloring.   |                         | Iridaceae. The species come true from seed but the common garden varieties are hybrids and do not come true. Sow the seeds as soon as ripe or in the spring; they germinate early in the spring. |                       |
| — <b>Matsu No Midori.</b>  | <b>IPOM-19MM.</b> 25¢   | — <b>Chamaeiris.</b>   | <b>IRIS-39.</b> 30¢   |
| Light blue with white markings.  |                         | ( <i>Pogon</i> ) Very pretty; 12"; right after the dwarf Iris; nice colors.  |                       |
| — <b>Mivuki Zakura.</b>  | <b>IPOM-19MZ.</b> 25¢   | — <b>Clarkei.</b>  | <b>IRIS-50.</b> 30¢   |
| Rose with white.   |                         | Much like siberica; has attractive seed pods.  |                       |
| — <b>Matsukaze.</b>  | <b>IPOM-19MS.</b> 25¢   | — <b>Douglasiana.</b>  | <b>IRIS-65.</b> 30¢   |
| Mulberry-like leaf; lovely shade of violet with white; fls to 8" across.   |                         | Native Calif-Ore; 15"; various colors.   |                       |
| — <b>Okina No Warai.</b>   | <b>IPOM-19OW.</b> 25¢   | — <b>erecta.</b>   | <b>IRIS-69.</b> 30¢   |
| Deep brown color.  |                         | China. Lilac to white; 3 ft.   |                       |
| — <b>Otome No Mai.</b>   | <b>IPOM-19OM.</b> 25¢   | — <b>Shumardii.</b>  | <b>IRIS-69S.</b> 30¢  |
| Lovely white with light red markings.  |                         | — <b>Peking Form.</b>  | <b>IRIS-69P.</b> 30¢  |
| — <b>Suiko No Hikari.</b>  | <b>IPOM-19SH.</b> 25¢   | — <b>fulva.</b>  | <b>IRIS-85.</b> 50¢   |
| Deep red with white markings; giant fls.   |                         | Rhizomatous; native Ill; south to Gulf.  |                       |
| — <b>Shugetsu.</b>   | <b>IPOM-19SG.</b> 25¢   | — <b>missouriensis.</b>  | <b>IRIS-167.</b> 30¢  |
| Lovely light brown; unusual color.   |                         | Pale pink reticulated brown stripe; lime free soil or bog.   |                       |
| — <b>Sei Ban.</b>  | <b>IPOM-19SR.</b> 25¢   | — <b>pumila.</b>   | <b>IRIS-193.</b> 40¢  |
| Deep blue with white flakes.   |                         | Saved from pumila varieties.   |                       |
| — <b>Tama Fuvo.</b>  | <b>IPOM-19TF.</b> 25¢   | — <b>siberica.</b>   | <b>IRIS-215.</b> 30¢  |
| Mulberry-like leaf; lovely light purple.   |                         | Saved from best varieties.   |                       |
| — <b>Shinekai.</b>   | <b>IPOM-19SK.</b> 25¢   | — <b>spuria.</b>   | <b>IRIS-225C.</b> 30¢ |
| Deep purplish red with white edge.   |                         | Cream variety.   |                       |
| — <b>Tanshin.</b>  | <b>IPOM-19TE.</b> 25¢   | — <b>Xiphium.</b>  | <b>IRIS-280.</b> 40¢  |
| Pure white.  |                         | Spanish Iris. From selected plants.  |                       |
| — <b>Vachiro No Aki.</b>   | <b>IPOM-19YA.</b> 25¢   | <b>NOTE:</b> If you wish fresh seed when ordering, state so and the Iris will hold for new crop seed.  |                       |
| Deep brown with white markings.  |                         |  |                       |
| — <b>Yuki.</b>   | <b>IPOM-19YK.</b> 25¢   |  |                       |
| Brown with white markings.   |                         |  |                       |
| — <b>Yoi Machi.</b>  | <b>IPOM-19YM.</b> 25¢   |  |                       |
| Lovely shade of purple, marked white.  |                         |  |                       |
| — <b>Mixed.</b>  | <b>IPOM-19X.</b> \$1.00 |  |                       |
| Contains a mixture of the varieties: 30 sds.   |                         |  |                       |
| <b>I. PURPUREA:</b> Below are listed the large flowered varieties. These are excellent for the average garden and are not difficult to grow. Root in dry sandy soil; they do not flower well if too wet; 10 ft. climber. |                         |  |                       |
| — <b>Blue Star.</b>  | <b>IPOM-1B.</b> 20¢     | <b>ISATIS.</b>   | (Y-sah-tis)           |
| NEW. Blue with white center.   |                         | Woad. Cruciferae. Annuals, biennials and perennials. They are erect or branching with small yellow flowers from May to July; native of Medit. regions; easy to grow.                             |                       |
| — <b>Cornell.</b>  | <b>IPOM-1C.</b> 20¢     | — <b>alauca.</b>   | <b>ISAT-3.</b> 25¢    |
| Beautiful cornelian-red, bordered with white. Showy. Oz. 75¢.  |                         | Flowers in yellow clusters; border; 4 ft; HP.  |                       |
| — <b>Crimson Rambler.</b>  | <b>IPOM-1CR.</b> 20¢    |  |                       |
| Carmine with white throat. Oz. 75¢.  |                         |  |                       |
| — <b>Paulina.</b>  | <b>IPOM-1D.</b> 25¢     |  |                       |
| Swirling wine-red with snowy white throat.   |                         |  |                       |
| — <b>Heavenly Blue.</b>  | <b>IPOM-1H.</b> 20¢     | <b>ISOLOMA.</b>  |                       |
| Slow-blue shading to golden yellow in its throat; early strain. Oz. 75¢.   |                         | — <b>kohleria.</b>   | <b>ISOL-5.</b> 40¢    |
|  |                         | ( <i>I. hersutum</i> ) 4 ft; GH; TP.   |                       |



### GERBERIA GIANT HYBRIDS

#### ISOPOGON.

*roseus.*

Rose Cone-flower. An attractive Aust. shrub; 2-3 ft.

ISOP-15. 50¢

#### IXIA.

*Mixed Species.*

Very early from seed; (VIII).

IXIA-X. 30¢

#### IXIOLIRION.

*montanum.*

(I. Ledebouri) 1 ft; purple fls.

(ix-ee-oh-LIHR-ee-on)

IXIO-2. 30¢

#### JACARANDA.

(jak-ar-RAND-uh)

Bignoniaceae. Tropical American shrubs and trees; funnelform blue or violet fls in panicles; grown in GH in North.

*acuifolia.*

Fern-like leaves; blue fls, 1½" across; good GH subject; (X); ornamental.

JACA-1. 35¢

#### JASIONI.

(jaz-e-OH-nee)

Campanulaceae. Annuals and perennials with sky-blue or white fls borne in heads; useful in border or rockery; easily grown.

*humilis.*

JAS-2. 40¢

Blue fls in short stalked heads, ½" ac; 9"; HP; Pyrenes.

*perennis.*

JAS-5. 25¢

Blue fl-heads, 1" ac; 1 ft; HP; attractive little plants in light blue.

#### JASMINUM.

(JASS-min-um)

Jasmine. Oleaceae. Very attractive warm region shrubs; very attractive; in the North they are good GH plants.

It requires 6 month's time to catalog a species or variety of seed; this must be done, usually before the seed is in stock which explains why some items are short.

Jasmine. Oleaceae. Tropical and warm floridum.

JASM-12. 50¢

Yellow fls ½" ac; many flowered cymes; erect; half evergreen; China.

*fruticans.*

JASM-15. 50¢

Yellow fls; 9 ft; (VIII).

#### JATROPA.

(JAT-roh-ruh)

Euphorbiaceae. Tropical plants, shrubs and trees suitable for out door growing in the South.

*multifida.*

JATR-6. 03¢

Coral Plant. Tender shrub to 20 ft; scarlet fls; TTr.

#### JUGLANS.

(JOO-glanz)

Walnut. Juglandaceae. Deciduous trees grown for their nuts, ornament and valuable lumber. Seed best planted in the fall; they can be easily dropped into a small hole made by a cane; plant them near woods and other marginal places.

*allanthoia.*

JUG-1. 50¢

Tree to 60 ft; Japan. Lb. 90¢.

*cordiformis.*

JUG-1C. 50¢

Has heart-shaped leaves; 60 ft; Japan.

*cinerae.*

JUG-4. 50¢

Butternut. (III); grows along rivers; nut is exceptionally good. Lb. \$1.50.

*nigra.*

JUG-10. 40¢

Black Walnut. Nuts very nice; large tree. Lb. 75¢.

*rigida.*

JUG-11. 40¢

English Walnut. Hold seeds over in sand and plant only in the spring; (VII). Lb. \$1.00.

Writing letters on your order delays its filling as well as confuses the packer!

Write messages on separate sheet.

## JUNIPERUS

Juniper. Cupressaceae. Mostly small trs or shrubs; many are very ornamental and others valuable lumber.

|  |               |
|--|---------------|
| — <i>chinensis</i> .   | JUNI-1. 35¢   |
| Very ornamental tree; hardy in (IV); Oz. 70¢.  |               |
| — <i>communis</i> .  | JUNI-6. 30¢   |
| Common Juniper. Lb. \$1.00.  |               |
| — <i>horizontalis glauca</i> .   | JUNI-15. 35¢  |
| Blue Creeping Juniper. d. b. Oz. 50¢; lb. \$3.50.  |               |
| — <i>Oxycedrus</i> .   | JUNI-23. 35¢  |
| Prickly Juniper. Shrub to 30 ft; (X). Oz. 60¢; lb. \$3.00.   |               |
| — <i>pachyphlaea</i> .   | JUNI-24. 40¢  |
| Alligator Juniper. Tree to 60 ft. c. s. Oz. \$1.00; lb. \$8.00.                                      |               |
| — <i>phoenicea</i> .   | JUNI-26. 35¢  |
| Shrub or tree to 20 ft; (IX). Oz. 60¢.   |               |
| — <i>pseudosabina</i> .  | JUNI-32. 50¢  |
| Low shrub; Turkestan.  |               |
| — <i>recurva</i> .   | JUNI-34. 50¢  |
| Tree to 30 ft; Himalayas; (IX).  |               |
| — <i>rigida</i> .  | JUNI-35. 40¢  |
| Needle Juniper. Pyramidal shrub to 30 ft; hardy in N.; protect from heavy wind. Oz. 50¢; lb. \$4.00. |               |
| — <i>scopulorum</i> .  | JUNI-39. 40¢  |
| Silver Juniper. Tree to 30 ft. c. s. Oz. 90¢ lb. \$8.50.   |               |
| — <i>thurifera</i> .   | JUNI-45. 40¢  |
| Tree to 40 ft; (IX). Oz. 50¢; lb. 2S.75.   |               |
| — <i>utahensis</i> .   | JUNI-46. 40¢  |
| Utah Juniper; (IV). c. s. Oz. 50; lb. \$4.50.  |               |
| — <i>virginiana</i> .  | JUNI-48. 40¢  |
| Red Cedar. Oz. 50¢; lb. \$3.00.  |               |
| — <i>argentea</i> .  | JUNI-48A. 40¢ |
| Leaves and young shoots silvery. Oz. 60¢; lb. \$3.50.  |               |

## KALANCHOE

Crassulaceae. Succulent shrubby perennials with fleshy oval leaves and a mass of brightly colored flowers that last for several weeks. Grown out doors in the South and excellent greenhouse plants in the North. For winter fls start seed in the spring, using a gritty soil; sunshine; plenty of water while growing.

|  |              |
|--|--------------|
| — <i>Blossfeldiana</i>                     | KALA-3. 50¢  |
| Scarlet flowers.                           |              |
| — <i>Ernest Thiede</i> .                   | KALA-3T. 50¢ |
| Bright red fls; 1 ft; fine.                |              |
| — <i>lanceolata</i> .                      | KALA-14. 40¢ |
| Orange fls on 2 ft stems.                  |              |
| — <i>thvrsiflora</i> .                     | KALA-30. 40¢ |
| Yellow fls, ½" long; 2 ft.                 |              |
| — <i>zambabweensis</i> .                   | KALA-38. 40¢ |
| Orange-red fls in small dense cymes; 1 ft. |              |
| — <i>Mixed</i> .                           | KALA-X. 30¢  |

## KALMIA.

(KAL-mee-uh) Ericaceae. Most species are hardy in the North; very ornamental evergreen shrub for sandy or peaty soils; lime-free soil; sow seed in pans of sandy peat or milled sphagnum.

|   |             |
|---|-------------|
| — <i>anbstifolia</i> .  | KALM-1. 30¢ |
| pink fls; Jnue-July; sun or shade; wet or dry; evergreen shrub. |             |
| — <i>latifolia</i> .  | KALM-6. 30¢ |

Calico Bush; Mt. Laural. Broad-leaf ev. shrub; mass of pretty pink to white fls; June-July; prefers sandy or rocky soil.

|  |                  |
|--|------------------|
| — <i>KENNEDIA</i> .  | (ken-NEED-ee-uh) |
| Leguminosae. Showy trailing or climbing shrubs native of Australia and hardy to zone (IX). They are also good GH subjects. |                  |

—*Comptonana*: see *Hardenbergia*.

**KENN-10. 30¢**

Prostrate legume; very choice; pinkish red fls all summer; beautiful lvs; (VIII); good in hanging baskets.

## KENTIA.

Palmaceae. The genus has been broken up much of late. Listed here are the common trade names.

—*Belmoreana*: see *Howea*.

—*Forsteriana*: see *Howea Forsteriana*.

## KERRIA.

(KEHR-ree-uh)

Rosaceae. Popular Chinese deciduous shrubs with green stems; ornamental; hardy in the North.

—*japonica*.

**KERR-1. 30¢**

Golden yellow fls, 2" ac; 8 ft.

## KIGELIA.

Bignoniaceae. Trees of tropical Af; (XI); fls bell-shaped, orange or red; 2-lipped; in drooping panicles.

—*pinnata*.

**KEG-5. 35¢**

Sausage Tree. S. Af. tree; to 50 ft; claret fls, 3" long; curious fruits.

## KNAUTIA.

Dipsaceae. Perennials with long stalked heads of fls, similiar to Scabiosa.

—*drymeia*.

**KNAU-4. 30¢**

Reddish violet to purple fls in heads, 2" ac; 3-4 ft; Balkans; (IV).

## KNIGHTIA.

Proteaceae. N. Z. trees and shrubs hardy in (X) zone.

—*excelsa*.

**KNIG-2. 50¢**

Tall handsome tr; distinctive upright growth; fol strong and leathery; fl buds are dark reddish velvet, opening red; timber is valuable; fine street tr and attractive to birds; 30-60 ft; (X); N. Z.

## KNIPHOFIA

Tritoma, Torch Lily. Poker Plant. Liliaceae. Most striking garden plant flowering in the fall, with their dense cigar-shaped spikes of red or yellow tubular flowers. Seed sown indoors very early will flower same season; in severe climates the plants can be dug up and wintered over in a frost-proof cellar.

—*Pfitzer's Hybrids*.

**KNIP-1P. 25¢**

Large brilliant reds; HP.

—*Early Hybrids*.

**KNIP-1E. 25¢**

California grown strain; early.

—*Uvaria Hybrids*.

**KNIP-18. 25¢**

—*verricrea Hybrids*.

**KNIP-19. 25¢**

Creamy white and coral-red fls; HP.

—*Kniphofia Mixed*.

**KNIP-X. 20¢**

## KOCHIA.

(KOH-kee-uh)

Summer Cypress. Chenopodiaceae. Popular hedge or border plants; the foliage turns red in the fall; tender annuals; start indoors in Mar. or outside in May.

—*coparia v. trichophila*.

**KOCH-2T. 20¢**

Summer Cypress; Belvedere. This is usually listed as K. Childsii. Globular dense bushes of medium green turning red after a frost; hedges specimens; HA. Oz. 45¢.

## KOELREUTERIA.

(kel-roo-TEER-ee-uh)

Sapindaceae. Trees native of Japan and China; they are very ornamental; fls in terminal panicles.

—*paniculata*. **KOEL**-6. 40¢  
Golden Rain Tree. (IV); seed can be planted in the fall or stratify and plant in the spring. Oz. 65¢.

**KOLKWITZIA**. (kol-KWITS-ee-uh)  
Caprifoliaceae. Showy Chinese shrubs hardy in the North; 9 ft.

—*amabilis*. **KOLK**-1. 30¢  
Beauty Bush. Very showy Chinese deciduous shrub; 8 ft; (IV); bell-shaped pink fls; May-June.

**KRAINZIA**: see in list under **CACTI**.

**LABURNUM**. (lab-BURN-um)  
Leguminosae. Ornamental shrubs and trees, most of which are hardy to (IV) zone.

—*alpinum*. **LABN**-2. 50¢  
Scotch Laburnum (*Cytisus alpinum*); VII.

—*anogyroides*. **LABN**-4. 50¢  
Golden Chain; Bean Tree. (VII). Oz. 60¢.

—*Mixed*. **LABN**-X. 30¢

**LACTUCA**. (lak-TEW-kuh)  
Tall annuals and perennials of which only a few have ornamental value. The garden Lettuce belongs to this genus.

—*Bourgei*. **LACT**-2. 35¢  
Flower bracts and rays lilac or blue; 6 ft; HP.

**LAGERSTROEMIA**. (lay-gur-STREM-ee-ah)  
Lythraceae. Ornamental trees and shrubs with showy flowers in panicles followed by capsular fruits. Grown out doors in the South or as pot plants in the North.

—*indica Hybrids*. **LAGR**-2. 40¢  
Crape Myrtle. (VIII).

—*speciosa*. **LAGR**-3. 40¢  
(*lros-Reginae*) Queen C. M. Showy tr; (IX). Oz. 65¢.

—*Rose*. **LAGR**-3Z. 40¢  
Queen of Flower. (IX). Oz. 85¢.

—*Double Pink*. **LAGR**-3P. 40¢  
Oz. \$1.75.

—*White*. **LAGR**-3W. 40¢  
Rare. Oz. \$2.00.

—*tubiflora*. **LAGR**-4. 50¢  
—*Mixed*. **LAGR**-X. 30¢

**LAGUNARIA**. (lag-yew-NAY-ree-uh)  
Malvaceae. One native tree from Australia; hardy up to (IX) zone. .... ....

—*Patersonii*. **LAGU**-1. 30¢  
(*L. partersonii*; *fugosia*) Lovely pink fls. even on young plants; beware of the sharp hairs inside the fruits.; (X). 100 sds \$1.25.

**LAGURUS**. (lag-YEW-rus)  
Gramineae. One ornamental annual grass.

—*ovatus*. **LAGS**-1. 25¢  
Hares-Tail-Grass. Attractive plume-like spikes; sow in open ground in April; to dry cut immediately after the fls open; HA; 1 ft; July-Sept; space 6".

**LANTANA**. (lan-TAY-nuh)  
Verbenaceae. Showy and easily grown; good pot plants or for bedding; sow seed indoors March 1st in a warm house; TP; space 1 ft apart.

—*Brunt's Dwarf Hybrids*. **LANT**-8B. 30¢

**LANTERN PLANT** Chinese: see **Physalis Alkekengi**.

**LAPEIROUSIA**. (lap-ay-ROO-zee-uh)  
Iridaceae. Cormous plants native of S. Af. and with some protection are hardy in

the (IV) zone.

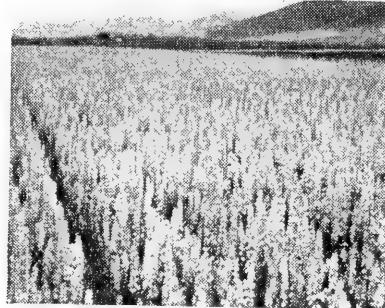
—*cruenata*. **LAPE**-4. 30¢  
Hardy in (IV); African cormous plant.  
—*Sandersonii*. **LAPE**-12. 40¢  
Hardy (IV).

**LARIX**. (LAR-ix)  
Larch. Pinaceae. Showy deciduous trees native of cold sections.

—*decidua*. **LAR**-2. 35¢  
European Larch. Keep seed dry; sow in the spring. Oz. 90¢.

—*leptolepis*. **LAR**-8. 35¢  
Japanese Larch. Oz. 90¢.

—*occidentalis*. **LAR**-12. 30¢  
Western Larch. (Montana) c. s. 75¢ oz;



California Field of Giant Imperial Larkspur

#### LARKSPUR.

Ranunculaceae. The annual Delphiniums. While biennial they are grown as annuals; sow seed in cool weather — they do not germinate good if the temperature is above 60 degrees F; expose to the light when in seed pans. In the South they should always be planted in the fall; especially good for cut-flowers.

**GIANT IMPERIAL**: Tall, upright, compact basal branching in habit and very popular for cutting; 4-5 ft.

—*Blue Bell*. **LARK**-3B. 20¢  
A beautiful mid-blue color.

—*Blue Spire*. **LARK**-3S. 20¢  
Deep Oxford-blue.

—*Carmine King*. **LARK**-3C. 20¢  
Improved deep carmine-rose; holds color.

—*Dazzler*. **LARK**-3D. 20¢  
A rich scarlet.

—*Exquisite Rose*. **LARK**-3R. 20¢  
Fine rose-pink; deep.

—*Los Angeles*. **LARK**-3L. 20¢  
Brilliant pink on salmon.

—*Miss California*. **LARK**-3M. 20¢  
A deep rose on salmon.

—*White King*. **LARK**-3W. 20¢  
Pure white.

—*Mixed*. **LARK**-3X. 15¢  
Any of the Above: Oz. 90¢; lb. \$6.50.

**LATANIA**. (lat-TAY-nee-uh)  
Palmaceae. Fan-palms hardy in the (X) zone.

—*Commersonii*. **LATA**-3. 50¢  
(*L. borbonica*, *Livistona chinensis*) Palm. 100 seeds \$3.00; 1,000. \$7.50. Delivery as new seeds arrive; order early.

—*Loddigesii*. **LATA**-4. 70¢  
10 seeds \$2.40; 100 seeds \$10.00. Delivery as fresh seeds arrive.

**SYMBOLS**: c. s.—clean seed; d. b.—dried berries; RG—suitable for the rockery; GH those that make good plants in greenhouse.

**LATHYRUS.**

(LATH-ee-rus)

Perennial Sweet Pea. Leguminosae. They require no special care; rather erect vines that do well on low supports or embankments; (IV); keep pods picked off for longer blooming period; HP.

—*cyanus.*

Herb; deep blue fls; sun; well drained soil; 12"; HP.

—*latifolius.*

Perennial Pea. Vine to 9 ft; white, red and rose fls; HP.

—*Rose.*

LATH-7. 30¢

—*Red.*

LATH-16P. 25¢

—*White.*

LATH-16R. 25¢

—*vernus.*

LATH-16W. 25¢

(Orobo) Spring Vetchling; 2 ft; HP.

**LAURELIA.**

Monimiaceae. Tall aromatic trees native of Chile and New Zealand; hardy in (X) zone.

—*novae zelandiae.*

LAUL-2. 50¢

Tall forest tree but attractive shrub when young; moisture and shade; (X); N. Z.

**LAURUS.**

(LAW-rus)

Laurel, Sweet Bay. Lauraceae. In a rich peaty soil with plenty of moisture they can be grown in the (VIII) zone; they are pretty medium-sized trees.

—*camphora.*

CINN-2. 50¢

(Cinnamomum Camphora) Sweet Bay; Laurel. (X); fresh seed best. Oz. 60¢.

**LAVANDULA.**

(lav-VAN-dew-lah)

Lavender. Lobiatae. Aromatic herbs that can be grown in (IV) zone with protection.

—*officinalis.*

LAVA-7. 25¢

Sub-sh to 3 ft; (also listed as L. spica and L. vera); (IV). Oz. \$1.60.

—*hybrids, Mixed.*

LAVA-4X. 25¢

—*All Mixed.*

LAVA-X. 25¢

**LAVATERA.**

(lav-at-TEER-uh)

Tree-Mallow. Malvaceae. Showy and very easily grown annuals. They are excellent for bedding or for cutting.

—*arborea.*

LAVT-3. 25¢

Sh to 10 ft; pale purple-red fls; (IX); HB. ½ Oz. 50¢.

—*assurgentiflora.*

LAVT-5. 25¢

Calif. Windbreak. Sh to 10 ft; rose-purple fls; (IX). Oz. 50¢.

—*cochemiriana.*

LAVT-6. 40¢

Pink fls, 1½" long, HP; Himalayas.

—*thuringiaca.*

LAVT-14. 30¢

Rose-pink, 2½ inches across; HP.

—*trimestris v. Loveliness.*

LAVT-15L. 25¢

One of the loveliest of all annuals, in a rich shade of rose; blooms over a long period; 5 ft; best to sow middle of April where they are to grow.

—*White.*

LAVT-15W. 25¢

LAVT-15S. 25¢

—*splendens.*

Rose fls. ½ Iz. 40¢.

—*Mixed.*

LAVT-15X. 20¢

—*All Mixed.*

LAVT-X. 20¢

**LAYIA.**

(LAY-ee-uh)

Compositae. Early blooming annuals with yellow or white ray and disk fls in terminal heads; easy.

—*elegans.*

LAYI-5. 25¢

Tidy Tips. Early flowering; low growing; HA; daisy-like yellow fls tipped white; sow in April and in succession thru May and June; do not bury seeds too deep.

**PRINT THE SYMBOLS WHEN ORDERING**

**LEIOPHYLLUM.**

(lye-oh-FILL-um)

Ericaceae. Sand Myrtle. N. Am. low ev. shrubs with fls in terminal corymbs, followed by fruits; border or RG; in peaty or sandy loam; sow seeds in cold frame, lime-free soil.

—*buxifolium.*

LEIO-1. 30¢

Box Sand Myrtle. Very nice 1 ft sh; ev. gr. myriads of little white fls in spring.

**LEMAIREOCEREUS:** see in **CACTI** list.

**LEONOTIS.**

(lee-on-NOH-tiss)

Lion's Ear. Labiate. Annuals and perennials or shrubs grown in the far S or in the GH in N, where they can be set out doors during the summer.

—*Leonurus.*

LEON-6. 30¢

Showy red-yellow or orange-red fls; 6 ft; TP.

**LEONTOPODIUM.**

(le-on-toh-POH-de-um)

Compositae. Low herbaceous tufted and woolly perennials; leaves basal; fls in small heads.

—*alpinum.*

LEOT-1. 30¢

Edelweiss. Fine rockery or indoor pot plant; sandy soil; HP.

—*sibericum.*

LEON-5. 30¢

Larger heads; webby leaves; 1 ft; HP.

**LEPTOSPERMUM.**

(lep-toh-SPERM-um)

Tea Tree. Myrtaceae. Valuable for their wealth of flowers; grown out doors in S; (X). They make good GH subjects.

—*laevigatum.*

LEPP-4. 30¢

Coast Tea-Tree. 12-20 ft; gray lvs; white fls; good wind break; (IX); germination best at around 50 Far then at 85 alternating or on year-old seed at 70. Oz. \$3.00.

—*grandiflorum.*

LEPP-8G. 25¢

Has large pink or nearly white fls.

—*Martinii.*

LEPP-8M. 40¢

Very rich pink hybrid; N. Z.

—*Nichollsi.*

LEPP-8N. 40¢

Bronzy leaves; carmine fls; N. Z.

—*rotundifolium.*

LEPP-7. 35¢

8 ft; Aust; hardy in South.

—*scoparium.*

LEPP-8. 30¢

To 20 ft; fls whitish, ½" ac; Aust.-N. Z.

—*Walkeri.*

LEPP-8W. 40¢

White to deep pink fls; hybrid; popular in N. Z.

—*Mixed.*

LEPP-8X. 30¢

—*All Mixed.* LEPP-X. 25¢

**LEPTOSIPHON:** see **Gilia**.

**LEPTOSYNE:** see **Coreopsis**.

**LEPTOSYME.**

(lep-toh-RYE-nee)

Compositae. California natives; by some listed with Coreopsis; best treated as a hardy annual up to zone IV.

—*Golden Rosette.*

LEPS-1. 25¢

Double bright yellow flowers.

**LESCHENAUTIA.**

Goodeniaceae. Aust. Heath-like plants and shrubs; hardy in X zone.

—*biloba.*

LESC-3. 50¢

Famed Australian blue flowered shrub; does well in poor sandy soil; intense blue fls; 2 ft.

**LESPEDEZA.**

(les-ped-DEEZ-uh)

Leguminosae. Ornamental plants and sub-shrub hardy in the North.. The Clovers of the mid-south belong to this genus.

—*bicolor.*

LESP-2. 50¢

|   |   |
|---|---|
| 10 ft. sh; purple fls; July-Oct; Japan.<br><b>Lb.</b> \$1.75.   | To 1½ ft; fls in loose spikes; (IV); HP.  |
| — <i>stratiata</i> . Japanese Clover. HA; to 18"; forage crop in the South.   | — <i>praecox</i> . LIAT-13. 20¢<br>Collected in Austria.  |
| <b>LEUCADENDRON.</b> (lew-kad-DEN-dron)<br>Proteaceae. S. Af. trees and shrubs; hardy in (X) zone and grown in GH in N.   | — <i>punctata</i> . LIAT-14. 30¢<br>Purple fls in dense heads; 18"; Nebr; HP.   |
| — <i>ascendens</i> . LEUD-3. 50¢  | — <i>pycnostachya</i> . LIAT-15. 25¢<br>Purple fls in dense spikes; 5 ft; HP.   |
| <b>LEUCAENA.</b> (lew-SEEN-uh)<br>Leguminosae. Ornamental shrubs and trees for warm sections; the fruits are edible.  | — <i>scariosa</i> . LIAT-16. 25¢<br>Purple fls; bracts purple tipped; 6 ft; HP.   |
| — <i>pulverulenta</i> . LEUA-3. 30¢   | — <i>spicata</i> . LIAT-17. 25¢<br>Dense spikes; purple fls; 6 ft; HP.  |
| <b>LEUCOTHOE.</b> (lew-KOTH-oh-se)<br>Ericaceae. Best in a moist peaty, sandy soil; require some winter protection in the N. they are nice shrubs.  | — <i>Mixed Species</i> . LIAT-X. 20¢  |
| — <i>Catesbaei</i> . White racemes; 6 ft.   | <b>LIBERTIA.</b> (lib-BERT-ee-uh)<br>Iridaceae. Australian and N.Z. natives; hardy in the S; seldom offered.  |
| — <i>Davisiæ</i> . Evergreen shrub; 3½ ft.  | — <i>caeruleascens</i> . LIBE-1. 30¢<br>Hardy in the South; blue fls; N.Z. per.   |
| <b>LEUCHTENBERGIA:</b> see in <b>Cacti</b> list.  | — <i>grandiflora</i> . LIBE-3. 40¢<br>White fls; small capsules; brown or yellow cord; decorative.  |
| <b>LEUCOJUM.</b> (lew-KOH-jum)<br>Snowflake. Amaryllidaceae. Hardy bulbous plants of low growth; RG; bulbs can be had—see Bulb List.  | — <i>Species</i> . (?) and <i>Mixed</i> . LIBE-X. 25¢   |
| — <i>autumnale</i> . LEUC-3. 40¢<br>Autumn Snowflake White flushed pink; Aug.-Oct; 5"; HBb.   | <b>LIBOCEDRUS.</b> (lye-boh-SEED-rus)<br>Incense-Cedar. Cupressaceae. Evergreen trees related to the Thuja; attractive but not hardy very far North.  |
| — <i>nicaeense</i> . LEUC-5. 60¢<br>(hemimale) Rare and very choice; nodding white fls in April.  | — <i>decurrans</i> . LIBO-4. 35¢<br>Incense Cedar. (IV); best sown in the fall. Oz. 50¢; lb. \$4.00.  |
| <b>LEUZEA.</b> (LEW-zee-uh)<br>Compositae. Biennials and perennials purple fl-heads of disk-fls; probably hardy in (VIII) zone.   | <b>LIGHTFOOTIA.</b><br>— <i>glomerata</i> . LIGH-1. 25¢   |
| — <i>Conifera</i> . Flower heads cone-like, 2" long with showy scales; 1 ft; HP.  | <b>LIGULARIA.</b> (lig-u-LAY-re-ah)<br>Compositae. Herbaceous perennials with broad basal leaves attractively marked and with many yellow ray-fl heads in racemes or corymbs on 5 ft. stems; easy; border.  |
| <b>LEVISTICUM.</b> (lev-VIST-ik-um)<br>Lovage. Umbelliferae. Herb for its aromatic fruits used in candy, etc; very ornamental.  | — <i>clivorum</i> , <b>Orange Queen</b> . LIGU-1Q. 25¢<br>Heads 4" ac and a pretty orange; 5 ft; HP.  |
| — <i>officinale</i> . LEVI-1. 25¢<br>Lovage. Grows to 6 ft; fls greenish yellow; HP.  | <b>LIGUSTRUM.</b> (lig-GUST-rum)<br>Privet. Oleaceae. Well known shs used much as hedges; some species are very showy shrubs; sow seed in fall or stratify for spring.  |
| <b>LEWISIA.</b> (lew-ISS-ee-uh)<br>Portulacaceae. Natives of N.W. Amer; the flower is very pretty; does best in a deep loose gritty soil, 1 part loam, 2 of peat moss, 3 parts very coarse sand; moist in spring but dry during the summer; seed can be frozen before planting. | — <i>japonicum</i> . LIG-14. 30¢<br>Seed best sown in fall. Oz. 50¢.  |
| — <i>Howellii</i> . LEW-12. 50¢<br>Deep rose fls; 6"; Ore; HP.  | — <i>Quihoui</i> . LIG-21. 40¢<br>6 ft; (VIII); China; Aug.-Sept.   |
| <b>NOTE:</b> We should be able to offer more species but the delivery of seed is very uncertain. For this reason species offered last year will be skipped in this issue.   | — <i>sinensis</i> . LIG-25. 30¢<br>12 ft; China; (VII). Oz. 50¢.  |
| <b>LIATRIS</b>  | — <i>vulgare</i> . LIG-28. 30¢<br>Common Privet. (IV). Oz. 50¢  |
| Blazing Stars; Gay Feather. Compositae. Perennials, very pretty all summer and into the autumn, especially when massed in the border; fls are in spikes or racemes; easily grown from seed.   | <b>LILIMUM</b>  |
| — <i>callilepsia</i> . Purple fls; HP.  | Lily. Liliaceae. Growing Lilies from seed has become very popular. If type of germination is followed, they are easily grown, besides their hybridizing is of special interest and rewarding. We would like to hear from those growing species to any extent. |
| — <i>cylindracea</i> .  | (A) Sow seeds of these species, in March or April, out doors, or earlier indoors; germinate in 3-5 weeks; transplant to nursery row. Can also be treated as in (B).   |
|   | (B) Start in frame or greenhouse in early spring or out doors in the South; germinates in 3-6 weeks; carry seedlings over in frame or cool house the first winter, transplanting them out in the spring.  |
|   | (C) Plant out door April-June in a well-made seed bed; germinates in 2-5 months with no top growth showing the first season; transplant the second year.  |

(D) Plant out doors in late fall, Nov-Dec, in well-prepared seed bed; germination and top-growth the 2nd spring; transplant the 3rd or 4th year, according to growth.

(E) Usually hybrids and variable as to treatment; any special notes are mentioned in their description.

**—amabile.**

LILY-2. 25¢

Turk's Cap Red with dark spots; 3 ft; A.

**—luteum.**

LILY-2L. 30¢

A yellow form; A.

**—auratum.**

LILY-4. 30¢

Gold Banded. Bowl-shape fls; 4-6 ft; C.

**—A. x Red Auratum.**

LILY-4R. 50¢

A highly compatible cross and produces type, pink and reds; both pinks and reds are produced in true form; seed produced by Harrisons in New Zealand and is very choice.

We will have seed in the near future of their red inter-cross; there is nothing better than this offered anywhere.

**—A. x rubro-vittatum.**

LILY-4V. 50¢

Another of Harrison's valuable crosses; New Zealand Lilies are tops anywhere in the world.

**—Aurelian Hybrids.**

LILY-47A. 30¢

EA.

**—Backhouse Hybrids.**

LILY-47B. 30¢

E.

**—candense flavum.**

LILY-13F. 30¢

Lemon-yellow; 5 ft; C.

**—rubrum.**

LILY-13R. 40¢

Orange-red flowers; C.

**—cernuum.**

LILY-20. 30¢

Lilac spotted purple; nodding; 2 ft; A.

**—concolor.**

LILY-24. 30¢

Star L. Vermilion; erect; 4 ft; A.

**—cordatum.**

LILY-25. 40¢

White striped purple; erect; 4 ft; D.

**—Crow's Hybrids.**

LILY-47W. 25¢

(Friemann Strain) Trumpet; huge cream; 5-6 ft; A.

**—dauricum.**

LILY-32. 30¢

Candlestick L. Orange-red, spotted; 3 ft; Siberia; A.

**—Davidii.**

LILY-33. 30¢

A refined Tiger Lily; 6 ft; A.

**—Willmottae.**

LILY-33W. 30¢

Orange-red, dotted black; recurved fls; 3-5 ft; A.

**—formosanum.**

LILY-39. 30¢

Late trumpet; white; 8 ft; A.

**—qigatneum.**

LILY-40. 30¢

Late; huge white; 10 ft; D.

**—himalaicum.**

LILY-40H. 35¢

White; huge woodland Lily; 10 ft; D.

**—Henryi.**

LILY-45. 30¢

Golden Speciocum. Recurved; soft golden orange; 6-8 ft; A.

**—hollandicum.**

LILY-46. 35¢

Un-facing, bowl type; many forms; 2-3 ft; FA.

**—Red Bird.**

LILY-47RB. 25¢

**—japonicum.**

LILY-50. 40¢

Trumpet; pink; 2-4 ft; C.

**—Kelloggii.**

LILY-51. 40¢

Pink, spotted with purplish black; erect; 4 ft; Calif; C.

**—Leichtlinii Maximowiczii Wadai.**

LILY-58MW. 50¢

Early Tiger type; recurved; 6 ft; A.

**—Lillian Cummings.**

LILY-47LC. 25¢

Bright orange-red; 4-5 ft; EA.

**—longiflorum.**

LILY-55. 30¢

New Japanese form; choice GH lily.

**—Lvia McCann.**

LILY-47LM. 25¢

Medium Recurved; golden orange; EA.

**—longiflorum, White Queen.**

LILY-55Q. 30¢

White Easter Lily. Trumpet; 2-3 ft; B.

**—Markham Hybrids.**

LILY-47B. 30¢

Martagon album x Hansonii; yellow; 4 ft; E.

**—Martagon.**

LILY-59. 25¢

Turk's Cap L. Rose or dark purple; 6 ft; C.

**—Maxwell.**

LILY-47MX. 25¢

Bright orange, spotted red; recurved; 5 ft; A.

**—medeolooides.**

LILY-62. 40¢

Wheel L. Apricot to scarlet; recurved; 3 ft; A.

**—regale.**

LILY-96. 30¢

Royal L. White; 5 ft; China; A.

**—album.**

LILY-96A. 30¢

Named varieties mixed; A.

**—Preston Hybrids.**

LILY-47P. 30¢

Named varieties; recurved; 3-5 ft; A.

**—rubellum.**

LILY-99. 40¢

Small rose-pink; funnel-shaped; 1-2 ft; C.

**—Sargentiae.**

LILY-105. 30¢

Rose-purple outside, white inside; 6 ft; A.

**—Hybrid.**

LILY-105C. 30¢

S. x centifolium; A.

**—skkimensis.**

LILY-108. 25¢

rose; E.

**—Kraetzeri.**

LILY-110K. 30¢

**—magnificum Hybrids.** LILY-110M. 40¢

**—punctatum.** LILY-110P. 30¢

**—tigrinum.** LILY-119. 30¢

Tiger L. Japan grown seed; orange or salmon-red; E.

**—Tsingtanense.**

LILY-120. 50¢

Small upright; brown or mahogany fls; 1-3 ft; A.

**—Wallitchianum.**

LILY-122. 35¢

Creamy white tinged green outside; 10"; 7 ft.

**—Mixed (A) germination.**

LILY-AX. 35¢

**—Mixed (B) germination.**

LILY-BX. 35¢

**LILI TURF:** see *Liriope spicata*. A pretty rockery plant.

**LIMNANTHES.**

(lim-NANTH-ez)

Meadow Foam. Limnanthaceae. Small annuals of easy culture and nice for the flower border.

**Douglasii.**

LIMN-1. 30¢

Meadow Foam. Annual; white or pinkish flowers, 1" across; showy in the spring.

**LIMONIUM.**

(li-MOH-ne-um)

Statice; Sea-Lavender. Plumbaginaceae. A highly prized flower both for the border and for commercial growing; many in this genus were formerly under Statice. They make excellent everlasting flowers; sow the annuals early in the spring and the perennials up to August.

**L. SINUATUM:** Biennials and perennials best grown as HA; leaves form low rosettes at base of the stiff angular branching flower stalk; useful for dried fls, cutting or in the border.

**Kampf's Tall.**

LIMO-32K. 20¢

An improved blue for market.

**Market Rose.**

LIMO-32Z. 25¢

**Marktkonigen.**

LIMO-32M. 25¢

A new German strain in a perfect blue.

**rosa superba.**

LIMO-32RS. 25¢

True; best pink.

**True Blue.**

LIMO-32C. 20¢

A California grown strain.

**Above Mixed.**

LIMO-32X. 20¢

**PRICE:** All above Oz. 45¢; lb. \$2.75.

**OTHER SPECIES:**

**bellidifolia.**

LIMO-2. 25¢

Grand in late summer; sprays of lavender fls; 9"; HP.

**Bonduellii.**

LIMO-4. 25¢

Golden yellow fls; 2 ft; HA or HB.

|   |               |
|---|---------------|
| — <i>cosyenes.</i>  | LIMO-6. 50¢   |
| A miniature edition for skree; 3 inches.                                    |               |
| — <i>dumosum.</i>   | LIMO-7. 25¢   |
| Giant heads of silvery gray fls; ½ Oz.<br>80¢.                              |               |
| — <i>Gmelini.</i>   | LIMO-12. 25¢  |
| Blue fls; 2 ft; Siberia; HP.  |               |
| — <i>Hybrids.</i>   | LIMO-14N. 20¢ |
| Interesting forms.  |               |
| — <i>latifolium.</i>  | LIMO-15. 25¢  |
| Immense lavender-purple heads; dry loc-<br>ations; 2 ft; HP.                |               |
| — <i>Perezii.</i>   | LIMO-24. 25¢  |
| Sub-shrub; 3 ft; purplish blue; HHP.  |               |
| — <i>Suwowowii.</i>   | LIMO-36. 25¢  |
| Bright rose spikes; easy house plant too;<br>18"; HA.                       |               |
| — <i>White.</i>   | LIMO-37W. 25¢ |
| — <i>Mixed Limoniums.</i>   | LIMO-X. 20¢   |
| — <i>tataricum.</i>   | LIMO-38. 25¢  |
| (Goniolimon) Usually listed as Statice;<br>1 ft; HP. Oz. 80¢; 4 oz. \$3.00. |               |

### LINARIA

|  |               |
|--|---------------|
| Toad Flax. Scrophulariaceae. Annuals<br>and perennials of easy culture; fls in racemes<br>or spikes, in many colors; they are sometimes<br>called Baby Snapdragons; sow from Aug.<br>to Feb; best in full sun. |               |
| — <i>maroccana Golden Gem.</i>   | LINA-22G. 25¢ |
| Nice HA; 18"; golden yellow fls.   |               |
| — <i>Fairy Bouquet.</i>  | LINA-22F. 25¢ |
| Clear rosy pink; 18"; HA.  |               |
| — <i>Diadem.</i>   | LINA-22D. 25¢ |
| Large fls; compact growth.   |               |
| — <i>Fairy Bride.</i>  | LINA-22B. 25¢ |
| Dwarf; in new colors.  |               |
| — <i>Excelsior Hybrids.</i>  | LINA-22E. 25¢ |
| In pink to dark blue; 18"; HA.   |               |
| — <i>origanifoli:</i> see <i>Chaenorhinum</i> .  |               |
| — <i>reticulata aureo-purpurea.</i>  | LINA-32A. 25¢ |
| Purplenet Toad-flax. Deep orange; 4 ft;<br>HA.   |               |
| — <i>villosa.</i>  | LINA-12. 25¢  |
| Beautiful ever-blooming, non-rampent;<br>rare; gray leaves; lavender fls.  |               |
| — <i>Mixed Linarias.</i>   | LINA-X. 20¢   |

### LINDERA.

(lin-DEER-uh)

Lauraceae. Aromatic trees and shrubs;  
formerly under Benzoin; best to sow seed  
soon as ripe.

|   |             |
|---|-------------|
| — <i>Benzoin.</i>   | LIND-2. 25¢ |
| Spice Bush. Deciduous shrub to 15 ft;<br>fls before leaves, greenish yellow; fruits<br>scarlet; moist places; Me-Fla; (IV). |             |

### LINDHEIMERA.

Compositae. S. W. American annuals with  
heads of both disk and ray flowers; they are  
pretty.

|  |             |
|--|-------------|
| — <i>texana.</i>                           | LINH-3. 25¢ |
| Two ft. annual; golden yellow rays, 2" ac. |             |

### LINNAEA.

(li-NEE-ah)

Twin-Flower. Caprifoliaceae. Trailing sub-  
shrubs for the rockery; thrives in a moist  
peaty or woodsy soil.

|  |               |
|--|---------------|
| — <i>africanum.</i>  | LINM-1. 50¢   |
| Small yellow fls; shrubby; TP; (X).                        |               |
| — <i>borealis.</i>   | LIMN-3. 30¢   |
| Dainty trailer; bell-shaped, rose fls; ever-<br>green; HP. |               |
| — <i>flavum.</i>   | LINM-14. 20¢  |
| Golden yellow fls; 1 ft; HHP.                              |               |
| — <i>compactum..</i>                                       | LINM-14C. 25¢ |
| Compact form; RG; HHP.                                     |               |

It is more important to have your full  
name and address on your ORDER than  
on envelope — always make it complete.

### LINUM.

(LY-num)

Flax. Linaceae. Annuals and perennials  
and shrubs with blue, white or yellow flowers  
and fine in the border; full sun; sow annuals  
direct to soil in early spring; easy.

|   |               |
|---|---------------|
| — <i>africanum.</i>   | LINM-1. 30¢   |
| Small yellow fls; shrubby; per; (X).  |               |
| — <i>flavum.</i>  | LINM-14. 20¢  |
| Golden yellow fls; 1 ft; HHP.   |               |
| — <i>compactum.</i>   | LINM-14C. 25¢ |
| Compact form; fine for rockery; HHP.  |               |
| — <i>grandiflorum.</i>  | LINM-16. 25¢  |
| Red to bluish purple fls, 1½" ac; 2 ft; HA.   |               |
| — <i>coeruleum.</i>   | LINM-16C. 20¢ |
| Very showy bluish purple; HA.   |               |
| — <i>roseum.</i>  | LINM-16R. 25¢ |
| Large rose-pink fls; HA.  |               |
| — <i>Blue.</i>  | LINM-16B. 25¢ |
| A very popular cut-flower; HA.  |               |
| — <i>Julicum.</i>   | LINM-18. 25¢  |
| More robust than <i>L. perenne</i> ; 18"; HP.   |               |
| — <i>perenne.</i>   | LINM-26. 20¢  |
| Deep blue fls; 18"; very good; HP.  |               |
| — <i>salsoloides.</i>   | LINM-28. 50¢  |
| Forms close mats 2 ft in diam; woody<br>stems and needle-like lvs covered with<br>white fls of silky texture. |               |
| — <i>usitatissimum.</i>   | LINM-39. 25¢  |
| Common Flax. 4 ft; HA.  |               |
| — <i>Linum Mixed.</i>   | LINM-X. 20¢   |

### LIQUIDAMBAR.

(lik-wid-AM-ber)

Hamamelidaceae. Showy trees hardy up  
to the (IV) zone; seeds germinate usually  
the second year.

|   |             |
|---|-------------|
| — <i>Styraciflua.</i>   | LIQU-2. 50¢ |
| Sweet Gum. (V); stratify, usually germi-<br>nates 2nd year; keep seed bed moist. Oz.<br>\$1.00. |             |

### LIRIODENDRON.

(lihr-ee-oh-DEN-dron)

Tulip Tree. Magnoliaceae. Pretty flow-  
ering tree hardy up to (IV) altho we have  
2 rather old trees in our yard near Lansing,  
Michigan; they are rare this far north; the  
flower is like the Tulip and is in bloom here  
in May. Seed best stratified and sown in  
the spring and as they do not transplant  
readily better results will be had by growing  
them from seeds sown in coffee cans.

|   |             |
|---|-------------|
| — <i>Tulipifera.</i>  | LIRO-3. 30¢ |
| Tulip Tree. Sow as soon as ripe in some<br>leaf mould; germination never real good.<br>Oz. 50¢; lb. \$3.50. |             |

### LIROPE.

(lihr-RYE-oh-peee)

Lily Turf. Liliaceae. Asian evergreen  
perennials with attractive grass-like foliage;  
it makes a nice ground cover either sun or  
shade; hardy up into zone (IV).

|   |             |
|---|-------------|
| — <i>spicata.</i>   | LIRI-4. 30¢ |
| Lily Turf. Blue spikes followed by black<br>berries; RG or edging; 10"; HP. |             |

### LISSOCHILUS.

(lis-oh-SHIL-us)

Orchidaceae. Terrestrial African Orchids  
native of tropical Africa.

|  |             |
|--|-------------|
| — <i>kredsii.</i>  | LISS-2. 50¢ |
| Terrestrial African Orchids; closely allied<br>to Eulophia; S. Rhodesia. |             |

### LITHOSPERMUM.

(lith-oh-SPERM-um)

Gromwell. Boraginaceae. Annuals, peren-  
nials and sub-shrubs with white, yellow, blue  
and violet flowers in racemes or spikes; they  
are showy in the border or rockery.

|                       |              |
|-----------------------|--------------|
| — <i>intermedium.</i> | LITO-18. 35¢ |
|-----------------------|--------------|

- Sub-shrub; blue fls; 10"; HSh.  
**—purpureo-caeruleum.** **LITO-29. 50¢**  
 Rich blue fls,  $\frac{1}{2}$ " ac; nice RG; stems decumbent; HP.
- LITHOPS:** see in list under **Cacti.**
- LITTONIA.** (lit-TOH-nee-ah)  
 Liliaceae. Climbing or erect plants with bell-shaped orange or yellow flowers and tuberous roots; easy to grow in a sunny window; give rest in early winter; related to Gloriosa.
- modesta.** **LITT-1. 30¢**  
 Bright orange bells, 1" ac; good summer house plant.
- LIVISTONA.** (liv-ist-TOH-nuh)  
 Palmaceae. Also known as *Corypha*. in the trade. Tropical Palm.
- australis.** **LIVI-1. 75¢**  
 Palm. 100 seeds \$5.00; 1,000, \$15.00.
- rotundifolia.** **LIVI-9. 90¢**  
 (*Corypha* rot.) 100 s'ds \$5.00¢ 1,000, \$30.00.
- LOBELIA**  
 Lobeliaceae. Annuals and perennials generally in blue or red flowers; for garden growing they are divided into 2 classes — the annuals being the most popular and are grown much in GH both for pot plants and for setting out doors in beds or edging; they are tender.
- L. ERINUS:** Edging Lobelia. Annual, 4-12 inches high; partially trailing, with flowers in blue shades with white throats; plants from seed are stronger and more robust than from cuttings; comes true; for early plants start indoors in March.
- Bedding Queen.** **LOB-1BQ. 25¢**  
 Very dwarf dark blue with white eye.  $\frac{1}{2}$  Oz. \$1.00.
- Blue Gown.** **LOB-1BG. 25¢**  
 Dwarf compact; clear sky-blue.  $\frac{1}{2}$  Oz. \$1.00.
- Blue Stone.** **LOB-1BS. 25¢**  
 Rich clear blue; dwarf, compact.  $\frac{1}{2}$  oz. 90¢.
- Crystal Palace.** **LOB-1CP. 25¢**  
 True blue, dark fol; popular.  $\frac{1}{2}$  oz. 60¢.
- Cambridge Blue.** **LOB-1CB. 25¢**  
 Clear blue; popular.  $\frac{1}{2}$  oz. 90¢.
- Dorothea.** **LOB-1D. 25¢**  
 Compact; violet color; pretty.
- Emperor William.** **LOB-1W. 25¢**  
 Extra dwarf; for edging; gentian blue.  $\frac{1}{2}$  oz. 90¢.
- Mrs. Clibran.** **LOB-1C. 25¢**  
 Extra dwarf; dark blue, large white eye.
- Prima Donna.** **LOB-1PD. 25¢**  
 Rich velvety maroon.
- White Lady.** **LOB-1WL. 25¢**
- Blend of Above Varieties.** **LOB-1X. 25¢**
- L. ERIN. PENDULA:** The pendulous type especially used in baskets and vases and window boxes.
- Hamburgia.** **LOB-2H. 25¢**  
 Pale blue with attractive white eye.
- Snow Queen.** **LOB-2SQ. 25¢**
- Sapphire.** **LOB-2S. 25¢**  
 Deep blue with showy white eye.
- OTHER SPECIES:**
- cardinalis.** **LOB-6. 25¢**  
 Red Lobelia. Striking; blaze of red; 6 ft; HP.
- Queen Victoria.** **LOB-6V. 25¢**  
 Dark red foliage; bright red fls; showy; 4-5 ft; HP.
- Hybrida.** **LOB-6H. 25¢**  
 Dark leaves; scarlet, crimson and purple
- fls.  
**—inflata.** **LOB-17. 25¢**  
 Indian Tobacco. Light blue fls; 3 ft; HHA.
- siphilitica.** **LOB-29. 25¢**  
 Deep blue fls, 1" long; 3 ft; Me-La; (IV); HP.
- LOBIVIA:** see in List under **Cacti.**
- LOCUST:** see **Robinia.**
- LOMATIUM.** (loh-MAY-shee-um)  
 Umbelliferae. Short-stemmed.. perennials with small white, yellow or purple fls in umbels followed by fruits; W. N. Amer. natives; for the wild garden.
- macrocarpum.** **LOMT-6. 30¢**  
**—utriculata.** **LOMT-11. 30¢**  
 Spring Gold. 1 ft; B. C.-Calif; HP.
- LONAS.** (LOH-nass)  
 Compositae. An ornamental branching annual native of Medit. region.
- annua.** **LONA-1. 25¢**  
 (inodora) Golden Ageratum. 1 ft; HHA.
- LONICERA.** (lon-NISS-er-uh)  
 Honeysuckle. Caprifoliaceae. Popular erect or climbing shrubs, hardy in the North; sow seed in the fall or stratify for spring.
- Caprifolium.** **LONI-15. 35¢**  
 Twining vine to 20 ft; white or purple fls in whorls; fragrant. Oz. 75¢.
- Maackii.** **LONI-55. 35¢**  
 White fls; June; 15 ft. Oz. 75¢.
- tatarica.** **LONI-95. 25¢**  
 C. S. Oz. 50¢.
- LUCULIA.** (lew-KEW-lee-uh)  
 Rubiaceae. Shrubs with salverform 5-lobed fls in terminal corymbs; native of India and China; grown in the greenhouse and planted out during the summer.
- gratissima, Rose.** **LUCU-1Z. 30¢**  
 To 16 ft; rose fls,  $\frac{1}{2}$ " ac; GH.
- White.** **LUCU-1W. 40¢**
- Mixed.** **LUCU-1X. 25¢**
- LOPHIOLA.**  
 Haemodoraceae. One native HP found in wet pine barrens and bogs; N. J. south.
- americana.** **LOPH-1. 30¢**  
 (L. aurea) Golden Crest. Small yellowish fls in dense white woolly panicles; HP.
- LOVAGE, Black:** see **Smyrnium olusatrum.**
- LUEHEA.**
- seemanii.** **LUEH-1. 30¢**  
 Costa Rica tree with pretty white fls; (X); TTr.
- LUFFA.** (LUFF-uh)  
 Cucurbitaceae. Tender vines of tropical regions grown as TA in the North. Some of the Gourds belong here.
- acutangula.** **LUFF-1. 25¢**  
 Fruits club-shaped; TA vine like Gourds.
- cylindrica.** **LUFF-3. 25¢**  
 Green Snake. Fruits 2 ft. long; TA vine.
- macrocarpa.** **LUFF-3M. 25¢**  
 Dish Cloth. Gourd.
- Mixed.** **LUFF-X. 20¢**
- LUNARIA.** (loo-NAY-ree-uh)  
 Satin-Flower; Honesty; Moonwort. Cruciferæ. Annuals and perennials grown mainly for the pretty dried fls; sow the annuals early, they are often biennial.



GEORGE RUSSELL (England) AMONGST HIS FAMOUS LUPINS

|  |                          |              |
|--|--------------------------|--------------|
| — <i>annua</i> .   | LUNA-1X. 20¢             | LUP-50J. 20¢ |
| HA or HB; 18"; white, red and purple.  |                          |              |
| — <i>White</i> .   | LUNA-1W. 25¢             | LUP-50Z. 20¢ |
| — <i>Crimson</i> .   | LUNA-C. 25¢              | LUP-50S. 20¢ |
| — <i>Munstead Purple</i> .   | LUNA-1M. 25¢             | LUP-50T. 20¢ |
| — <i>Violet</i> .  | LUNA-1L. 25¢             | LUP-50X. 20¢ |
| — <i>Variegated</i> .  | LUNA-IV. 25¢             |              |
| The leaves are variegated white.   |                          |              |
| — <i>rediviva</i> .  | LUNA-4. 25¢              | LUP-54. 25¢  |
| Perennial Honesty. .   |                          |              |
| <b>LUPINUS</b>   |                          |              |
| Lupine Leguminosae. Annual and perennial; fls in great profusion on long stems; they are pretty and make a good display in the border; well drained soil, thriving even in rather poor soil; sow where they are to grow. |                          |              |
| — <i>arcticus</i> .  | LUP-8. 25¢               | LUP-45. 30¢  |
| Alaskan Blue Lupine. 1 ft; HP.   |                          |              |
| — <i>Hartwegii</i> .   | LUP-25. 20¢              | LUP-53. 25¢  |
| Best annual species; July-Sept.; HA.   |                          |              |
| — <i>Blue</i> .  | LUP-25B. 20¢             |              |
| Light shade of blue.   |                          |              |
| — <i>Giant King</i> .  | LUP-25G. 20¢             |              |
| A pretty blue.   |                          |              |
| — <i>Rose</i> .  | LUP-25Z. 20¢             |              |
| — <i>Lyallii</i> .   | LUP-34. 25¢              |              |
| 4 ft; HP.  |                          |              |
| — <i>mutabilis</i> .   | LUP-39C. 25¢             |              |
| — <i>Cruikshanksii</i> .   | LUP-39C. 25¢             |              |
| Dark blue changing to white.   |                          |              |
| — <i>nanus</i> .   | LUP-40. 25¢              |              |
| Blue with purple dotted spots; fragrant; May-June; 15"; HA.  |                          |              |
| — <i>apricus</i> .   | LUP-40A. 30¢             |              |
| Silvery foliage; very effective; blue and white fls.   |                          |              |
| <b>L. POLYPHYLLUS:</b> The tall perennial Lupine; hardy in the North. Winged flowers in many beautiful colors.   |                          |              |
| — <i>Carmine</i> .   | LUP-50C. 20¢             | LYCH-2. 25¢  |
| — <i>Yellow</i> .  | LUP-50Y. 20¢             | LYCH-3. 25¢  |
| — <i>Moerrheimii</i> .   | LUP-50M. 20¢             | LYCH-4. 25¢  |
| Pretty rose with white.  |                          |              |
| Princess Juliana.  | Dwarf bright pink; 3 ft. |              |
| — <i>Roseus</i> .  |                          |              |
| — <i>Salmon Queen</i> .  |                          |              |
| — <i>Terre Cotta</i> .   |                          |              |
| — <i>Blend</i> .   |                          |              |
| <b>RUSSELL STRAIN</b>  |                          |              |
| Grown from selected plants of the originator's stock; it will produce a brilliant range of colors of the very brightest.   |                          |              |
| <b>PRICE: Oz. 75¢; lb. \$6.00.</b>   |                          |              |
|  |                          | LUP-54. 25¢  |
| — <i>perennis</i> .  |                          | LUP-45. 30¢  |
| Blue to pink and white fls; May-June; Me. to Fla; HP.  |                          |              |
| — <i>rivularis</i> .   |                          | LUP-53. 25¢  |
| Blue or variegated fls marked with yellow; 3 ft; HP; they are similar in size to the Russel type but more spreading and blooms a month earlier.  |                          |              |
| — <i>subcarnosus</i> .   |                          | LUP-56. 25¢  |
| Texas Blue Bonnet. 15"; massive flower spikes; HA.   |                          |              |
| <b>LUTKEA.</b>   |                          |              |
| — <i>pectinata</i> .   |                          | LUTK-1. 25¢  |
| <b>LYCHNIS</b>   |                          |              |
| Caryophyllaceae. Brilliantly colored fls easily grown from seed sown indoors early in the spring when they will bloom the same season; plenty of sun and rather dry soil.  |                          |              |
| — <i>alpina</i> .  |                          | LYCH-2. 25¢  |
| Pink fls in dense terminal heads; tufted; 1 ft; HP.  |                          |              |
| — <i>aridus</i> .  |                          | LYCH-3. 25¢  |
| — <i>Arkwrightii Hybrids</i> .   |                          | LYCH-4. 25¢  |
| Showy; nice color range; 18"; HP.  |                          |              |
| — <i>chalconica</i> .  |                          | LYCH-7. 25¢  |
| Scarlet fls in dense terminal heads; June-July; 2-3 ft; HP.  |                          |              |
| — <i>Coli-rosa</i> .   |                          | LYCH-8. 20¢  |
| Rose-of-Heaven. Rose-red terminal fls;   |                          |              |

|  |                      |
|--|----------------------|
| 18"; HA.   |                      |
| — <i>candida</i> .   | <b>LYCH-8C.</b> 25¢  |
| White form; HA.  |                      |
| — <i>Loyalty</i> .   | <b>LYCH-8L.</b> 25¢  |
| Blue on 6" plants; HA.                                       |                      |
| — <i>nana compacta</i> .                                     | <b>LYCH-8NK.</b> 25¢ |
| Mixed colors indwarf compact plants.                         |                      |
| — <i>nobilis</i> .   | <b>LYCH-8N.</b> 25¢  |
| Chamois rose., 1/2 oz. 40¢.                                  |                      |
| — <i>Rose Beauty</i> .                                       | <b>LYCH-8RB.</b> 25¢ |
| Lovely large flowered deep rose; 18"; HA.                    |                      |
| — <i>Blue Pearl</i> .  | <b>LYCH-8B.</b> 25¢  |
| — <i>Azure</i> .   | <b>LYCH-8A.</b> 25¢  |
| Rosy light blue.   |                      |
| — <i>Mixed Coeli-rosa Var.</i>                               | <b>LYCH-8X.</b> 20¢  |
| — <i>coronaria</i> .   | <b>LYCH-10.</b> 20¢  |
| Rose Champion. Crimson; treminal fls; 3 ft; HB or HP.        |                      |
| — <i>astrosanguinea</i> .                                    | <b>LYCH-10A.</b> 25¢ |
| Dark blood-red fls.  |                      |
| — <i>Red</i> .   | <b>LYCH-10R.</b> 25¢ |
| Deep red color.  |                      |
| — <i>Flos-cuculi</i> .                                       | <b>LYCH-13.</b> 25¢  |
| Cockoo-flower. Red or pink panicles; May-Aug; 15"; HP.       |                      |
| — <i>Flos-Jovis</i> .  | <b>LYCH-14.</b> 25¢  |
| 20"; HP.   |                      |
| Flower-of-Jove. Pink in dense umbels; June-July; 18"; HP.    |                      |
| — <i>Hort. Variety</i> .                                     | <b>LYCH-14H.</b> 20¢ |
| Pink fls over silver rosettes; 5"; HP.                       |                      |
| — <i>Forrestii Hybrids</i> .                                 | <b>LYCH-16.</b> 25¢  |
| Shades of pink to crimson and white;                         |                      |
| — <i>Haageana</i> .  | <b>LYCH-19.</b> 20¢  |
| Hybrid; orange-red fls; May-June; 20" HP.                    |                      |
| — <i>utriculata</i> .  | <b>LYCH-29.</b> 25¢  |
| Tender perennial.  |                      |
| — <i>Viscaria</i> .  | <b>LYCH-30.</b> 20¢  |
| Red and purple fls, 1/2" ac, in clusters; May-June; 18"; HP. |                      |
| — <i>splendens</i> .   | <b>LYCH-30S.</b> 25¢ |
| German Catchfly. Large flowering; HP.                        |                      |
| — <i>Lvchnis Blend</i> .                                     | <b>LYCH-X.</b> 20¢   |

|   |                    |
|---|--------------------|
| <b>LYCIUM.</b>  | (LISH-ee-um)       |
| Box Thorn. Matrimony Vine. Solanaceae.                                  |                    |
| Ornamental shrubs requiring support; they are hardy in the North.       |                    |
| — <i>europaeum</i> .  | <b>LYCI-5.</b> 30¢ |
| Box Thorn. Spreading shrub to 10 ft; scarlet or orange fruits. Oz. 60¢. |                    |

**LYGODIUM:** see Fern List.

|  |                    |
|--|--------------------|
| <b>LYONIA.</b>   | (ly-OH-nee-uh)     |
| Ericaceae. (Xolisma) Evergreen and deciduous shrubs, usually best in moist soils; sow seed in sand and sphagnum, indoors; good for colonizing. |                    |
| — <i>mariiana</i> .  | <b>LYON-4.</b> 35¢ |

Stagger Bush. Deciduous; 6 ft; May-June; fls nodding, terminal racemes; (V).

|  |                     |
|--|---------------------|
| <b>LYSIMACHIA.</b>   | (ly-si-MAY-ki-ak)   |
| Loosestrife. Primulaceae Annuals and perennials; summer blooming; in white or yellow, sometimes purple and blue, in spikes or racemes. Good in moist places and edges of pools or streams. |                     |
| — <i>punctata</i> .  | <b>LYSM-14.</b> 25¢ |
| Yellow fls in whorls; 3 ft; HP.  |                     |
| — <i>ramosa</i> .  | <b>LYSM-15.</b> 25¢ |
| — <i>Mixed</i> .   | <b>LYSM-X.</b> 20¢  |

|  |            |
|--|------------|
| <b>LYTHRUM.</b>  | (LITH-rum) |
| Loosestrife. Lythraceae. Annuals and perennials; border or wild garden; easy in moist soils. |            |

—*Salicaria*. **LYTH-7R.** 30¢  
Purple Loosestrife. Large rose-colored

fls in dense terminal spikes; 3 ft; (IV); HP.

#### MACHAERANTHERA.

Compositae. A genus of American daisy-like annuals, biennials and perennials, similar to hardy Asters; Tahoka Daisy is a commonly grown species.

#### —*tanacetifolia*.

**MACA-1.** 25¢

Tahoka Daisy. HB; 2 ft; fl-heads 2" ac; ray-fls blue-violet, disks yellow; good for border or cutting; sow seed in fall or early spring.

**MACHAERIUM Tipa:** see *Tipuana Tipu*.

#### MACLEAYA.

(mah-KLAY-rah)

Plume Poppy; Bocconia. Papaveraceae. Perennials used for their bold and attractive habit and appearance; flowers are small and in terminal panicles.

#### —*cordata*.

**MACL-1.** 25¢

Leaves 8" ac; specimen plants; 6 ft; HP.

#### —*microcarpa*.

**MACL-3.** 25¢

Differs from above in the flowers; HP..

#### MACLURA.

Moraceae. Deciduous American trees.

#### —*pomifera*.

**MACU-1.** 25¢

Osage Orange. Sow in spring; soak seeds in warm water. Oz. 50¢.

#### MACROPIDIA.

#### —*fulingosa*.

**MACR-8.** 50¢

#### MAGNOLIA

Magnoliaceae. Showy trees and shrubs with large pink, white, purple or yellow fls followed by cone-like fruits; very ornamental. Sow seeds in the fall or stratify till spring.

#### —*acuminata*.

**MAGN-1.** 25¢

Cucumber-Tree. Best to sow in spring; (V). Oz. 07¢.

#### —*Campbellii*.

**MAGN-6.** 30¢

Tree; fls pink outside, white inside; 10" across; (VII).

#### —*White*.

**MAGN-6W.** 25¢

#### —*Red*.

**MAGN-6R.** 30¢

#### —*globosa*.

**MAGN-17.** 35¢

Bull Bay. (VII); white fls; fragrant; Oz. 60¢.

#### —*Kobus*.

**MAGN-20.** 40¢

Tree to 30 ft; white fls, 4" ac; Japan.

#### —*Miliflora v. nigra*.

**MAGN-22N.** 35¢

Shrub to 10 ft; fls dark purple; China.

#### —*macrophylla*.

**MAGN-23.** 50¢

Large Leaf Cucumber Tree; (V); white.

#### —*obovata*.

**MAGN-27.** 35¢

Tree; white fls; fragrant, 7" ac; (VII).

#### —*Soulangeana*.

**MAGN-32.** 50¢

Hybrid M. denudata x liliflora; hardy in N; fls purplish outside, white inside, 6" ac.

#### —*Wilsonii*.

**MAGN-45.** 40¢

Small tree; 25 ft; pendent white fls; frag.

7" ac; China.

#### —*Mixed*.

**MAGN-X.** 25¢

#### MAHONIA.

(ma-HOH-nee-ah)

Berberidaceae. Evergreen shrubs similar to the Barberry; fls in yellow racemes followed by blue berries; some are hardy in the North and should be planted in sheltered spots from wind and hot sun.

#### —*repens*.

**MAHO-16.** 30¢

Low growing; bluish green lvs; hardy in N; 1 ft; HP.

#### —*Aquifolium*.

**MAHO-1.** 50¢

Holly M. or Barberry. 3 ft; hardy in N.

**MALACOCARPUS:** see in list under Cacti.

**MALCOMIA.**

(mal-KOH-me-ah)  
Malcome Stocks. Cruciferae. Annuals and perennials with grayish leaves; sow seeds early indoors or direct to the garden.

—*marltime.*

Virginia Stocks. Fine for border; 12"; HA; seed can be sown every 2 weeks during the spring for succession bloom.

—*Crimson.*

MALC-3X. 20¢

—*Rose.*

MALC-3C. 25¢

—*White.*

MALC-3Z. 25¢

—*Yellow.*

MALC-3W. 25¢

MALC-3Y. 25¢

**MALUS.**

Apple. Rosaceae. The oriental Crabs of the Malus floribunda group come true from seed.

—*Sieboldii.*

MALU-36. 75¢

Toringo Crab. Shrub or tree 15 ft; hardy in N; Japan.

—*Zumi.*

MALU-50. 75¢

Tree to 20 ft; fls 1" across; pink in bud.

**MALVA.**

Malva Malvaceae. Erect spreading plants, easily grown in the border. Best to sow seeds where they are to grow.

—*moschata rosea.*

MALA-10R. 25¢

Musk Malva. 2 ft; HP; fls rose-pink; (IV).

—*capensis:* see **Malvastrum.****MALVASTRUM.**

(mal-VAS-trum)

False Mallow. Malvaceae. Malvo-like plants and sub-shrubs with purple or red fls; usually in terminal spikes; makes nice plants in the border and sometimes grown in GH.

—*coccineum.*

MALV-3. 30¢

Prairie Mallow. Brick-red fls, 1" ac; 8 ft; hardy; HP.

—*capensis.*

MALV-1. 35¢

(Malva Capensis) 4 ft; purple fls; (IX).

—*scabrosum.*

MALV-9. 40¢

Small rosy fls; 3-4 ft; TSh.

—*virgatum.*

MALV-15. 35¢

Erect; small pale pink fls; 3-4 ft; TSh.

**MALOPE.**

Malvaceae. Showy annuals with large solitary flowers.

—*trifida.*

3 ft; fls 3" across; mixed colors.

MALO-3X. 30¢

—*White.*

MALO-3W. 35¢

—*rosea.*

MALO-3R. 35¢

—*Purple-red.*

MALO-3P. 35¢

**MAMMILLARIA.**

(mam-il-LAY-ree-uh)

Cactaceae. (Neomammillaria) Mainly Mexican Cacti. It is a very popular genus.

**NOTE:** See under **Cacti** for a recently received list, which will be described and cataloged here in next issue.

—*longicoma.*

MAMM-150. 50¢

—*longispina.*

MAMM-162. 50¢

**MANIHOT.**

(MAN-ee-hot)

Euphorbiaceae. Tropical Amer. trees and shrubs useful for their large fleshy roots.

—*esculenta.*

MANI-4. 50¢

Cassava, Manioc, Tapioca Plant. Shrub; 9 ft; edible. (X).

**MARIGOLD**

Tagetes. Compositae. Marigolds are fairly hardy and therefore they should be planted rather early in the spring; there are many beautiful varieties in both types.

**AFRICAN MARIGOLDS:** These are strong

feeders and require plenty of water, therefore plant them in the richest, most favorable section of your garden; seed may be sown direct or indoors and set out in May; give plenty of room, usually 3 ft.

**NOVELTY TYPES:** Large blooms; 3-5 ft. high and flowers to 4-5 inches across; beds and the odorless varieties for cutflowers.

—*Treasure Chest.*

MARY-1T. 20¢

Large bell-shaped heads in mixed colors.

—*Crown of Gold.*

MARY-1CG. 20¢

Collarette type blooms; odorless; golden yellow flowers.

—*Gigantea Sunset.*

MARY-1GS. 20¢

Huge yellow or primrose fls, 5" ac; 3½ ft.

—*Glitters.*

MARY-1G. 25¢

An All-American selection in 1951; large Chrysanthemum-type; golden yellow fls; ft. ½ Oz. \$1.25.

—*Goldilocks.*

MARY-1GL. 25¢

NEW. Like Glitters in plant habit and flower form but bright golden yellow.

—*Golden Ball.*

MARY-1GB. 20¢

Deep golden yellow; double fls.

—*Golden Glow.*

MARY-1GG. 20¢

Very large golden heads, 5" ac; odorless.

—*Mission Gi's, Goldsmith.*

MARY-1GS. 25¢

Perfect ball-shaped type; huge golden fls.

—*Yellowstone.*

MARY-1YS. 25¢

Golden yellow; incurved; huge heads.

—*Gypsy Jewells.*

MARY-1GJ. 20¢

A wide range of brilliant colors; sweet; 15" high; neat plants.

—*Golden Bedder.*

MARY-1GB. 20¢

Chrysanthemum flowered; deep golden.

—*Golden Queen.*

MARY-GQ. 20¢

Deep golden; dwarf plants; good bedder.

—*Moonlight.*

MARY-1M. 20¢

Tall giant flowered; yellow; extra double.

—*Orange Queen.*

MARY-1NQ. 20¢

Medium height; double flowers.

—*Primrose Queen.*

MARY-1PQ. 20¢

Dwarf growth.



**Pots O'Gold**

—*Pot O'Gold.*

MARY-1PG. 20¢

Deep golden orange; dwarf, compact.

—*Silver Light.*

MARY-1V. 20¢

Improved Yellow Supreme; dandy.

—*Sunlight.*

MARY-1S. 20¢

Giant flowered; bright orange-red.

—*Little Giants, Mixed.*

MARY-1LG. 20¢

Collection of dwarf large-flowering; 15".

—*Early Sunrise.*

MARY-1ES. 20¢

Dazzling golden yellow; 4 ft.

—*Collarette Crown O'Gold.*

MARY-1G. 25¢

Gold Medal; odorless; golden orange.

—*Above Mixed.*

MARY-1X. 20¢

**TALL DOUBLE AFRICAN:** All double or fistulosa type flowers with quilled petals and all 100% double; favorites for bedding or cutting; 2½ ft.

—*All Double Gold.*

MARY-2G. 20¢

—*All Double Lemon.*

MARY-2L. 20¢

—*All Doubt Orange.*

MARY-2N. 20¢

—*All Double Mixed.*

MARY-2X. 20¢

- Lemon Queen.** MARY-2LO. 20¢ Los Angeles florist strain; lemon-yellow.
- Golden Emblem.** MARY-2GE. 20¢
- Golden Prince.** MARY-2P. 20¢ Orange Prince. Rich gold, between Lemon Queen and
- CARNATION TYPE AFRICANS:** Carnation-type flowers with fluffy broad petals and nearly 100% double; 2½ ft.
- Burpee Gold.** MARY-3BG. 20¢ Odorless foliage; bright gold.
- Golden Crown.** MARY-3GC. 20¢ Dwarf strain in golden yellow; low beds.
- Yellow Supreme.** MARY-3YS. 20¢ Pretty lemon-yellow.
- Golden West.** MARY-3GW. 20¢ Early; dwarf strain of Guinea Gold; 2 ft.



Tall African

**FRENCH MARIGOLDS:** Mainly small 12-15 inch plants, with smaller flowers than the Africans; they are especially good for beds and borders; many varieties are ideal for edging. This type does better if planted where they are to grow as they do not take well to transplanting; they also do better if the soil is not extra rich nor too moist.

- NEW HARMONY TYPE:** These have a crested form flower; excellent for beds.
- Gold Crest.** MARY-6GC. 20¢ Deep golden orange, 2" ac; quilled petals; 8 inches.
- Golden Harmony.** MARY-6GH. 20¢ Luminous golden yellow; 1 ft.
- Clinton.** MARY-6C. 20¢ Orange; frilled and waved petals; odorless foliage.
- Golden Supreme.** MARY-6GS. 20¢ Larger fls than Golden Harmony; 18".
- Harmony.** MARY-6H. 20¢ Deep orange, maroon collar; 1 ft.
- Melody.** MARY-6M. 20¢ Clear all golden yellow, 1¼ " ac; 1 ft.
- Orbit.** MARY-6B. 20¢ Golden yellow center, reddish brown guards; 1 ft.
- Spotlight.** MARY-6SL. 20¢ Yellow center, mahogany border; early; 1 ft.
- Winter Harmony.** MARY-6WH. 20¢ Winter flowering type for the GH.
- Dwarf Harmony.** MARY-6DH. 20¢ Uniform 11" plants; 2-tone lemon and dark red.
- Harmony Types Mixed.** MARY-6X. 20¢ Double hybrids for cutting.
- Tall Harmony.** MARY-6TH. 20¢

- TALL DOUBLE FRENCH:** 30 inches high.
- Australian Giant.** MARY-7AG. 20¢ Tall double or grand tree; brownish

yellow.

- Josephine.** MARY-7J. 20¢ Single brown; good cut; 3 ft.
- Lieb's Tall Winter.** MARY-7LW. 420¢ Deep brown; single; GH for cutting.

#### DWARF DOUBLE FRENCH:

- Dobbie's Dwarf.** MARY-8D. 20¢ Striped double flowers.
- Electric Light.** MARY-8EL. 20¢ Dwarf double; bright yellow.
- Orange Ball.** MARY-8RB. 20¢ Dwarf double orange.
- Orange Flame.** MARY-8F. 20¢ A new German variety.
- Purple Crown.** MARY-8PC. 20¢ Showy new German variety.
- Robert Beist.** MARY-8RB. 20¢ Rich maroon; 1 ft.
- Royal Scot.** MARY-8RS. 20¢ All double; rich mahogany and gold combination; 1 ft.
- Rusty Red.** MARY-8R. 20¢ Double; rusty red, gold edged on frilled petals; new.
- Scarlet Glow.** MARY-8G. 20¢ Showy scarlet flowers.
- Sunbeam.** MARY-8SB. 20¢ Pure golden yellow; pretty; 15".
- Tangerine.** MARY-8T. 20¢ New; tangerine-orange; full double, 2" ac.
- Double Monarch.** MARY-8DM. 20¢
- Above Mixed.** MARY-8X. 20¢

#### DWARF SINGLE FRENCH:



Ferdinand

- Ferdinand.** MARY-9F. 20¢ Golden yellow with mahogany-red; 2 ft.
- Fire Cross.** MARY-9FC. 20¢ Deep orange-yellow, blotched maroon; 10".
- Flash.** MARY-9FL. 20¢ New red and gold bicolor; dandy; good for pots or border; 15".
- Gold Edged.** MARY-9GE. 20¢ Showy single variety.
- Legion of Honor.** MARY-9LH. 20¢ Pretty yellow blotched brown; dwarf.
- Naghty Marietta.** MARY-9NM. 20¢ Light yellow, aroon blotched; single.
- Above Mixed.** MARY-9X. 20¢

**MINIATURE DOUBLE FRENCH:** Excellent for pots or edging or low beds.

- Butterball.** MARY-10B. 20¢ Soft yellow with maroon center; 8".
- Spry.** MARY-10SP. 20¢ Yellow crested with red guards; 9".
- Sunkist.** MARY-10S. 20¢ Bright golden orange; good with Butterball; 8 inches.
- Yellow Pigmy.** MARY-10YP. 20¢ A very dwarf bright yellow; 10".
- Gem Mixture.** MARY-10GX. 20¢ New dwarf mixture; neat form; contin-

uous bloom.

#### TAGETES SIGNATA PUMILA:

- Gnome.** MARY-11G. 20¢
- A dwarf compact single orange; RG; 6".
- Signata pumila.** MARY-11SP. 20¢
- Bright yellow; tiny single fls; edging; 8".
- Little Giants.** MARY-11LG. 20¢
- tenuifolia, Golden Ring.** MARY-GR. 20¢

#### MARKHAMIA.

Bignoniaceae. Tropical shrubs and trees; large tubular-funnel-form fls; (X).

- Hildebrandii.** MARK-6. 50¢
- From East Africa; (X).

#### MAURANDIA.

(mau-RAN-de-ah) Scrophulariaceae. Bright flowered plants, mostly vines, for the GH or outdoors in the far South. If seed is sown early they make excellent basket or window-box plants for the summer; they need a 60 deg. F. temperature and a fibrous loam soil with some leaf mould and cow manure when grown in GH.

- Mixed.** MAUR-X. 30¢

#### MATHIOLA

Stocks. Cruciferae. Annuals and perennials, some sub-shrubs, native mostly of Medit. regions and commonly known as Stocks. Flowers are in lilac, purple and white, in terminal racemes. *M. bicornis* is the Evening Stock or Perfume Plant, very fragrant in the evening but the flower is closed during the day. *M. incana*, the Common Stock or Brampton Stock or Gilliflower; and a type of it is the Ten-Weeks-Stocks.)

**M. INCANA:** Sturdy erect plants in many colors. They make good flowers both outside and in the greenhouse; sow seed early in the spring or summer sown seed will make good house plants for winter; they are handled as half hardy subjects.

#### DOUBLE GIANT FLOWERING STOCKS:

Immense fully double closely spaced flowers, on 2-2½ ft spikes per plant; strictly non-branching.

- Ball's No. 2.** MACH-2BW. 30¢
- Large white spike tinged pink.
- Ball's No. 14.** MACH-2Z. 40¢
- Rose-pink, deep color.
- Gardenia.** MACH-2G. 40¢
- Very large single pure white.
- Purity.** MACH-2W. 30¢
- Non-branching pure white.
- Blend of Colors.** MACH-2X. 25¢
- ANY ABOVE: Oz. \$8.00.**

**EARLY GIANT IMPERIAL:** Branching habit; flowers on long stems making it a desirable cutting type; 2 ft; high double centage.

- Blood-red.** MACH-3B. 20¢
- Chamois.** MACH-3C. 20¢
- Ivory tinged with rose.
- Fiery Red.** MACH-3R. 20¢
- Rose.** MACH-3Z. 20¢
- Rose Charm.** MACH-3RC. 20¢
- Roselight.** MACH-3RL. 20¢
- White.** MACH-3W. 20¢
- Blend of Avove.** MACH-3X. 20¢

**TEN-WEEKS-STOCK:** Dwarf compact, and fine for bedding; sweet scented; 12"; grow as an annual; very early; start seed early indoors or they can be planted direct to the garden.

- Dark Blue.** MACH-4D. 20¢
- Finest Mixed.** MACH-4X. 20¢
- Bragginsii.** MACH-8. 40¢

True stock.

#### MATRICARIA.

(mat-re-KAY-re-ah)

Matricary. Compositae. Mainly annuals with a few perennials, with finely cut foliage and small flower heads. They are easily grown treating them as you would Chrysanthemums.

- Chamomilla.** MATI-2. 20¢
- Sweet False C. White fls; 2 ft; HA.
- eximia:** see *Chrysanthemum Parthenium*.
- indora v. Bridal Rose.** MATI-3B. 20¢
- Very double heads; white ray fls; 2 ft; HA.
- Snowball.** MATI-3S. 20¢
- Small double heads; white ray-fls; 2 ft; HA.
- parthenoides:** see *Chrysanthemum part.*
- globifera.** MATI-5. 25¢
- Yellow rayless, button-like fls; 1½ ft.

#### MEDEOLA.

(med-DEE-oh-luh)

Liliaceae., One HP, tuberous rooted plant; edible; N. Amer.

- asparagooides:** see *Asparagus asparagooides*
- virginiana.** MEDE-1. 25¢
- Indian Cucumber Root. 2 ft; fls small, greenish yellow; (IV).

#### MEDICAGO.

(med-ik-KAY-yuh)

Medick. Leguminosae. Annual and perennials, a few shrubs,, some of which are ornamental.

- arborea.** MEDI-3. 30¢
- Tre Alfalfa; (VIII); 8 ft; orange-yellow.

#### MELALEUCA.

(mel-al-LEW-kuh)

Bottle-Brushes. Myrtaceae. Noted for their abundance of flowers, breath-taking brilliance of coloring, in some species, and are generally hardy in Australia where most are natives. the flowers are brush-like, similiar to the Callistemon; in red, white or orange; some fls are like Eucalyptus; best to cut back hard after flowering (X).

- hypericifolia.** MELL-10. 25¢
- Tall shrub; fls rich red in dense spikes 3" long; (IX); Australia.

- Leucadendra.** MELL-14. 30¢
- Punk Tree. Creamy white fls; nice; (IX).
- Mixed.** MELL-X. 25¢

#### MELIA.

(MEE-lee-uh)

Bead-Tree., Meliaceae. Tropical trees and grown in the far South.

- Azedarach.** MELA-3. 30¢
- Pride of India China Berry, Indian Lilac. Not easy; best to have seeds delivered when fresh. Oz. 75¢.

#### MELIANTHUS.

(mel-ee-ANTH-us)

Honey-Bush. Melianthaceae.. Tropical grown in the South. They are pretty and decorative.

- major.** MELH-4. 40¢
- Honey Bush. California; (X); 10 ft.

#### MELICA.

(MEL-ik-uh)

Melic Grass. Graminaca. Ornamental perennial grass, hardy in the Sorth.

- transsilvanica.** MELI-4. 25¢

#### MELISSA

(mel-LISS-uh)

Labiatae. Balm. Erect perennial medicinal herbs.

- officinalis.** MELS-1. 25¢
- Lemon Balm, Bee Balm. Aromatic herb; 2 ft; used as seasoning; HP.

**MELOCACTUS:** see in list under *Cacti*.  
—*oaxacensis*. MELC-32. 50¢

### MECONOPSIS

Papaveraceae. Annuals, biennials and perennials, requiring a cool moist summer, a sheltered and partly shaded place. They make attractive plants in the border; start the annuals early indoors, setting them out after frost danger; the perennials are best started in a frame over the first summer; fls are in racemes or panicles; some are hardy, other semi-hardy in the North; the NW Coast states are ideal for them; do not disturb when established.

- betonicifolia*. MECO-2. 30¢ Purple fls in clusters, 2" ac; 6 ft; HP.
- Baileyii*. MECO-2B. 30¢ Very similar to above.
- cambrica*. MECO-3. 30¢ Welch Poppy. Pale yellow fls 3" ac; solitary; 1½ ft; HP.
- aurantiaca*. MECO-3A. 30¢ Orange flowered type of above.
- cathartii*. MECO-5. 30¢ Golden yellow fls, 2-3" ac; HP.
- horridula*. MECO-9. 30¢ Light blue or claret; solitary; 5 ft; HB.
- integrifolia*. MECO-10. 30¢ Yellow Chinese Poppy. Yellow, 6" ac; 3 ft; HB.
- napaulensis*. MECO-13. 30¢ Satin Poppy. Pale blue satiny fls 2" ac; 6 ft; HP.
- Red Form*. MECO-13R. 40¢
- paniculata*. MECO-14. 30¢ Yellow fls 2" ac. in racemes 2 ft long; 5 ft; HP.
- Gray Rosette*. MECO-14G. 40¢ Fine new form with gray rosettes.
- quintuplinervia*. MECO-16. 40¢ Lavender to purple fls 3½" ac; RG; 1 ft; HP.
- simplicifolia*. MECO-18. 40¢ Nodding blue or purple solitary fls, 3" ac; 2 ft; HP.
- Plum Red*. MECO-18P. 50¢ A nice new plum-red form.
- superba*. MECO-21. 40¢ White fls to 5" ac; woodland; shade; 3-4 ft; Tibet; HP.
- villosa*. MECO-22. 40¢ Yellow fls, 2" ac; 2 ft; Himalayas.
- Mixed*. MECO-X. 25¢

**MENTHA.** (MENTH-uh) Mint. Labiate. Easily grown herbs and used for its aromatic oil as well as ornamental.

- crispa*. MENT-9. 50¢ Spearmint.
- viridis*. MENT-9V. 50¢
- piperita*. MENT-12. 50¢ Peppermint.
- pulegium*. MENT-13. 50¢ Penny-royal.

### MENTZELIA.

Loasaceae. Amer. plants and shrubs with very showy fls; sow seeds where they are to grow; seed can be sown in the open in mid-April; thin out and never allow plants to get dry; easy.

- Lindleyi*. MENZ-8. 30¢ (*Bartonia aurea*) Golden yellow fls 2½" across; 4 ft; TA; seed can be sown in the open ground in mid-April; thin out early any never allow plants to get dry.

Small Orders can be sent in Postage Stamps

**MENYANTHES.** (men-ee-ANTH-eez) Bog-bean; Buckbean. Gentianaceae. One cold climate herb for wet places.

- trifoliata*. MENY-1. 40¢ Found in peat bogs and calm water; has creeping root-stalk; blooms in June in Alaska; white fls tinted pink; germinate it in water.

**MERCURY:** see *Chenopodium Bonus-Heuri-* *cus*. A perennial pot-herb.

**MESEMBRYANTHEMUM criniflorum**: see *Dorotheanthus bellidiformis*. Also see in List under *Cacti*.

- cristallinum*. CRYO-3. 25¢ Ice Plant. See *Cryophytum crystallinum*.

**MESPILUS.** (MESS-pil-us) Rosaceae. One deciduous tree grown for its edible fruit.

- germanica*. MESP-1. 30¢ Medlar Tree to 20 ft; fruit edible; (IV).

### METOTHRIA.

- scabra*. MELO-3. 30¢ Sow seeds in April; TA.

**METROSIDEROS.** (mee-thoh-sid-DEER-os) Myrtaceae. Odd shrubs and trees of New Zealand with showy flowers in white or red; very ornamental; (IX).

- tomentosa*. METR-14. 30¢ New Zealand tree to 50 ft; nice doli-foliage; masses of crimson fls; blooms very young; (X).

### MIBORA.

- verna*. MIRO-1. 50¢ A rare tiny flowering grass for the RG; carpeting; HHBb.

**MICHELLA.** (my-KEE-le-ah) Magnoliaceae. Trees and shrubs native of Asia; much like Magnolias; (VIII).

- Champaca*. MICH-3. 30¢ Yellow or orange fls; very fragrant evergreen tree; (IX).

We have several other species but seed has failed; more may be listed in near future.

**MICROMERIA.** (mye-kroh-MEER-ee-uh) Labiate. Perennials, usually trailing; RG.

- rupestris*. MICR-20. 40¢ Prostrate; white fls spotted lavender; in many-flowered clusters; HP.

### MIGNONETTE

(Reseda.) Resedaceae. Mignonette belongs to the genus Reseda of which there are 3 or 4 species with *R. odorata* the common Mignonette. They are noted for their fragrance; are tender annuals and when started indoors are best handled in pots as they do not transplant easily; thrive in a cool, moderately rich soil, in partial shade; in GH grow in the cool part at 48 degrees F.

**RESERA ODORATA:** It comes in many varieties.

- Allen's Defiance*. MIG-1A. 20¢ Compact; florets immense sized; fragrant.

- Machet Giant*. MIG-1M. 20¢ Pyramidal growth; very nice; 1 ft.

- Golden Goliath*. MIG-1MG. 20¢ Golden yellow fls; 1 ft.

- New York Market*. MIG-1MY. 20¢ Large spikes; fine texture; forces. Oz. \$1.00.

|   |               |
|---|---------------|
| —Red Goliath.                           | MIG-1MR. 20¢  |
| Large red fls; special; 1 ft; fragrant. |               |
| —White Goliath.                         | MIG-1MW. 020¢ |
| Best large white variety.               |               |
| —Mixed Machets.                         | MIG-1MX. 20¢  |
| —Bismarch.                              | MIG-1B. 20¢   |
| Beautiful flat top and large spikes.    |               |
| —Gabrielle.                             | MIG-1G. 20¢   |
| Robust; heavy red spikes.               |               |
| —Giant Pyramidal.                       | MIG-1P. 20¢   |
| —Red Monarch.                           | MIG-1R. 20¢   |
| Deepest red; perfect form.              |               |
| —Victoria.                              | MIG-1V. 20¢   |
| Brilliant red.                          |               |
| —Blend of All Above.                    | MIG-1X. 20¢   |

**MIKANIA.** (mik-KAY-nee-uh)

Climbing Hemp. Compositae. Twining plants or shrubs with white or pink disk fls in panicled cymes; allied to Eupatorium.

|  |             |
|--|-------------|
| —scandens.   | MIKA-1. 30¢ |
| Climbing Hempweed or Boneset. Unusual vine with many clusters of pinkish white fls; very nice. |             |

**MILLA.** (MILL-uh)

Mexican Star. Liliaceae. One nice bulbous plant hardy in the (IV).

|  |         |
|--|---------|
| —biflora.                                    | MILB-1. |
| (NO SEED AVAILABLE) BULBS: in the fall.      |         |
| BULBS: Doz. 80¢; 100, \$5.00; 1,000 \$35.00. |         |

**MILLETTA.**

Leguminosae. Trees, shrubs and vines allied to the Wisteria.

|                                     |             |
|-------------------------------------|-------------|
| —obtata.                            | MILL-2. 40¢ |
| South Rhodesian Tree Wisteria; (X). |             |

**MIMOSA.** (mim-MOH-suh)

Sensitive Plant. Leguminosae. They are mainly tropical subjects; some are GH plants in the North.

|  |              |
|--|--------------|
| —pudica.   | MIMO-7. 25¢  |
| Sensitive Plant. Lavender fls; grow as a TA; (VIII). |              |
| —Spegazzinii.  | MIMO-11. 35¢ |
| Shrub; rose-purple fls heads; (VI).                  |              |

**MIMULUS.** (MIM-yew-lus)

Monkey Flower. Scrophulariaceae. It comes in many types; mainly warm region subject; (IX).

|   |              |
|---|--------------|
| —cardinalis, Mixed.                             | MIM-9. 25¢   |
| Scarlet and yellow fls; 1 ft; (IX); per.        |              |
| —cupreus Hybrids.                               | MIM-10H. 25¢ |
| Large flowered Chilean; much like M. tigrinum.  |              |
| —guttatus.                                      | MIM-15. 25¢  |
| Yellow, spotted throat; 18"; HA or HP; (II).    |              |
| —Whitecroft Scarlet.                            | MIM-15W. 30¢ |
| The neatest and brightest of the genus; 3"; HP. |              |
| —tiginus, Mixed.                                | MIM-32X. 25¢ |
| Large flowered hybrids.                         |              |
| —Fine Spotted & Tigered.                        | MIM-32T. 25¢ |
| —Mixed.   | MIM-X. 20¢   |

**MIRABILIS**

Four O'Clocks, Marvel of Peru. Nyctaginaceae. Annuals and perennials, all of which are tender and grown as tender annuals in the North. The seeds are best sown where they are to grow; the roots can be dug up in the fall and wintered over much like Dahlias.

|   |              |
|---|--------------|
| —Jalapa.  | MIRA-6X. 20¢ |
| Four O'Clocks. Red, yellow and white; 3 ft; TP grow as TA. Oz. 35¢. |              |

|  |               |
|--|---------------|
| —Dwarf Mixed.                                  | MIRA-6DX. 20¢ |
| A dwarf compact type; 2 ft.                    |               |
| —Dwarf Variegated.                             | IMRA-6DX. 20¢ |
| Variegated leaves; 2 ft.                       |               |
| —longifolia White.                             | MIRA-7W. 25¢  |
| 3 ft; TP grow as TA.                           |               |
| —Violet.                                       | MIRA-7V. 20¢  |
| —Mixed.  | MIRA-7X. 20¢  |
| —uniflora.                                     | MIRA-10. 25¢  |
| Bright rose; showy and unusual; free blooming. |               |
| —Mixed Mirabilis.                              | MIRA-X. 20¢   |

**MISCANTHUS.** (mis-KANTH-os)

Eulalia. Gramineae. Tall ornamental grasses with awned spikelets in large silky terminal panicles; have a striking effect.

|   |             |
|---|-------------|
| —sinensis.  | MISC-2. 25¢ |
| (Eulalia japonica) To 10 ft; panicles 2 ft long; hardy in (IV). |             |

|   |              |
|---|--------------|
| —zebrinus.  | MISC-2Z. 25¢ |
| Zebra-Grass. Leaves banded; ornamental grass; 10 ft; (IV). 1/8 oz. 80¢. |              |

**MOLTKIA.** (MOLT-kee-uh)

Baraginaceae. Perennials; rockery plants.

|                                   |             |
|-----------------------------------|-------------|
| —petraea.                         | MOLT-5. 35¢ |
| (Lithosperum) Deep blue fls; HHP. |             |

**MOLUCCELLA.** (mol-eu-SEL-ah)

Lobiatae. Annuals; sow seeds early in the spring or late in the fall.

|  |             |
|--|-------------|
| —laevis.   | MOLV-2. 25¢ |
| Bells of Ireland, Shell-flower, Molucca-Balm. White fragrant flowers; 3 ft; sow early in the spring or late in the fall; HA. |             |

**MONARDELLA.** (mon-ahr-DEL-ah)

Labiatae. Fragrant western Amer. plants, both annual and perennial; grown in the rockery in light sandy soil.

|   |             |
|---|-------------|
| —villosa.   | MONA-8. 25¢ |
| Purple, pink and white, 2-lipped fls; hot places; 6"; HP. |             |

**MONARDA.** (mon-NARD-uh)

Horse Mint. Labiate. Annuals and perennials native of N. Amer; they are striking plants in groups in the border or in beds; showy clusters of flowers.

|  |             |
|--|-------------|
| —didyma.   | MOND-3. 25¢ |
| (Kalmiana) Bee Balm. Flowers in terminal clusters; 3 ft; HP. |             |

|                   |              |
|-------------------|--------------|
| —superba rosea.   | MOND-3S. 40¢ |
| Large rose heads. |              |

|            |              |
|------------|--------------|
| —alba.     | MOND-3A. 35¢ |
| fistulosa. | MOND-5. 25¢  |

|  |              |
|--|--------------|
| Wild Bergamot. Purple fls; 3 ft; (IV); HP. | MOND-13. 25¢ |
| pectinata.                                 |              |

|   |             |
|---|-------------|
| (citriodora) Lemon-mint. Fls yellowish white; HA. | MOND-X. 20¢ |
| —Mixed.   |             |

**MOMORDICA.** (mom-MORD-ik-uh)

Charanthea, Balsam Apple. Cucurbitaceae. Two annual vines, easily grown from seed.

|  |             |
|--|-------------|
| —Balsamia.                             | MOMO-1. 25¢ |
| Balsam Apple. Vine; orange fruits; TA. |             |

|   |             |
|---|-------------|
| —Charanthia.  | MOMO-2. 25¢ |
| Balsam Pear. Ornamental vine; orange-yellow fruits; TA. |             |

**MONTANOA.**

Compositae. Shrubs or small trees, native of Mexico; start seeds indoors.

|  |            |
|--|------------|
| —bipinnatifida.                                    | MON-2. 25¢ |
| Flower heads 3" across; white rays; 8 ft; (X); GH. |            |

**MONTIA.**

Portulacaceae. Small plants with fleshy leaves, one grown as a salad or pot herb; sow seeds where they are to grow—in early spring or summer.

**—perfoliata.**

Winter Purslane. Salad herb. 6"; TA.

**MOONFLOWER:** see *Calyonyction*.**MORAEA.**

(mho-REE-uh)

**—catamulata.**

MORE-3. 30¢

**—Huuttonii.**

MORE-10. 30¢

Rather tender; yellow fls.

**—iridioides.**

MORE--12. 30¢

To 2 ft; beautiful large white fls with yellow bands 1½" long; drought resistant.

**—Johnsonii.**

MORE-11. 30¢

**—polystachya.**

MORE-20. 30¢

Best known; lilac with large yellow spots; 3 ft; (X).

**—zambesiaca.**

MORE-30. 30¢

South Rhodesian species.

**—Mixed.**

MORE-X. 30¢

**MORINA.****—betenocoides.**

MORN-1. 30¢

Asian thistle-like flower; HP.

**MORUS.**

(MOH-rus)

**—alba.**

MORU-2. 30¢

White Mulberry. Tall tree; best sown in spring; takes several weeks to germinate or they can be sown late in the fall.

**MULGEDIUM:** see *Lactuca*.**MUSA.**

(MEW-zuh)

Banana. Musaceae. They are mainly indoor subjects in the North; (X).

**—Arnoldiana.**

MUSA-1. 50¢

15 ft; (X). 100 seeds \$4.50.

**—Enseta.**

MUSA-5. 50¢

Abyssinian B. 40 ft; (X). 100 sd. \$7.00.

**—religiosa.**

MUSA-11. 50¢

8 ft; not edible; India; (X). 100 sd \$4.00.

**—rosacea.**

MUSA-12. 50¢

To 6 ft; not edible; India; (X). 100 sd \$4.00

**MUSCARI.**

(mus-KAY-ry)

Grape Hyacinths. Liliaceae. Spring flowering bulbs with urn-shaped nodding blooms in racemes or spikes; they are easily grown, both from seed and bulbs; grow them in mass plantings at edge of borders; see Fall Bulb List for bulbs.

**—azureum.**

HYAC-2. 25¢

(Hyacinthus) Flowers in erect racemes; 1 ft; HP.

**—comosum.**

MUSC-3. 35¢

Blue or violet fls; 1 ft; HP.

**—latifolium.**

MUSC-8. 35¢

Blue fls; 1 ft; very showy; HBb.

**—macrocarpum.**

MUSC-9. 50¢

Unusual in having twany yellow fls; 3".

**—paradoxum.**

MUSC-16. 30¢

Blue-black fls in dense racemes; 9"; Cau-casus; HBb.

**—Mixed.**

MUSC-X. 25¢

**MYOPORUM.**

(mye-OP-or-um)

Myoporaceae. Australian plants, fairly hardy there and useful for dwarf windbreaks, hedges, sand binders and specimen shrubs. There are some real gems in the genus.

**—serratum.**

MYOP-6. 30¢

Grown in the GH in the North; (IX).

**—laetum.**

MYOP-4. 30¢

Robust shrub to 25 ft; thick shining green leaves with translucent oil dots making

small windows thru leaf; drought resistant; good wind-break or tub plant; purple berries; fls white with purple lines; (VIII); NZ.

**MYOSOTIDIUM.**

(oh-soh-TID-ee-um)

Boraginaceae. A single perennial native of Chatham Isles, N. Z.; azure-blue fls in dense cymes to 6" across; 2-3 ft; fresh seed.

**—hortensis.**

MYOT-3. 30¢

The leaves are large and attractive, deep green and glossy, nearly as large as Rhubarb. The fls, 2 ft. high, are in heads 4-6" across bright blue. The soil must be moist and never dried out; semi-shade; it won't stand below 20 degrees F.

**MYOSOTIS**

Forget-Me-Nots. Boraginaceae. Small annuals, biennials and perennials with many small blue, rose or white fls in terminal racemes. They thrive in a cool moist partially shaded place, blooming the second year unless started early.

**—A. Fischer.**

MYOS-1A. 25¢

Deep blue, large fls; very choice; 8".

**—Blue Ball.**

MYOS-1B. 25¢

Deep indigo-blue; compact ball-shaped plants; 10".

**—Blue Bird.**

MYOS-1D. 25¢

A large flowered variety in dark blue.

**—Blue Eyes.**

MYOS-1E. 25¢

Pretty bright blue with white eye.

**—Gerda Seager.**

MYOS-1S. 25¢

Blooms 8-10 days earlier; pretty blue.

**—Marga Seager.**

MYOS-1R. 25¢

Excellent pot plant for forcing; large blue flowers.

**—Messidor.**

MYOS-1M. 25¢

A rich blue color.

**—Star of Love.**

MYOS-1T. 25¢

Sky-blue; nice pot plant; floriferous.

**—Sylphe.**

MYOS-1W. 25¢

A pure white form.

**—Victoria.**

MYOS-IV. 25¢

Dwarf; dark royal blue.

**—Above Mixed.**

MYOS-1X. 25¢

**OTHER SPECIES:****—arvensis.**

MYOS-2. 25¢

White and blue fls; best for naturalizing; 18"; HA or HB.

**—dissitiflora caerulea.**

MYOS-8C. 25¢

Fine blue; low habit.

**—Scorpioides. semperfloren.**

MYOS-13S. 25¢

Dwarf form; 8"; azure-blue.

**MYRICA.**

(MYE-rik-uh)

Myricaceae. Ornamental shrubs or small trees; unisexual fls in catkiss; native of northern hemisphere.

**—pensylvanica.**

MYRI-6. 30¢

(M. caraliniensis) Bayberry. 8 ft sh. bearing clusters of waxy bluish white aromatic berries in late July to over winter; poor soils.

**MYRICARIA.**

(mye-rik-KAY-ree-uh)

**—germanica.**

MYRK-1. 40¢

False-tamarisk. Deciduous woody plant; 6 ft; fls in terminal bracted racemes; HSh.

**MYRRHIS.**

(MIHR-iss)

**—odorata.**

MYRR-1. 35¢

Sweet Cicely. Grown for its sweet scented leaves; sow seed when ripe for best results; HP.

**MYRTUS.**

(MERT-us)

**—bullata.**

MYRT-3. 50¢

Striking evergreen shrub with reddish brown crinkled leaves intermingled in



GOLDEN GLEAM NASTURTIUMS

season with beautiful starry creamy white fls; branches reddish violet; 10 ft; (V); N.Z.

—*communis*.

To 10 ft; sow in spring; GH in pits; (IX); it grows slowly.

—*Ralphii*.

Erect branching shrub with slightly bronzy leaves; white starry fls and dark red berries; 10 ft; (IX); N.Z.

**NANDINA.**

(nan-DYE-nuh)

Berberidaceae. Showy evergreen shrub; Chnia; hardy in (V) zone; showy as GH plants.

—*domestica*.

NAND-1. 30¢

Nice evergreen shrub for the (V) zone or a fine pot-plant in the N; 8 ft; berries red and very showy. Oz. 60¢; lb. \$4.00.

### NASTURTIUMS

(*Tropaeolum*) *Tropaeolaceae*. This is a much confused classification with Water Cress, *Nasturtium officinale* being the only listed species. The flowers listed in the trade and also commonly known as Nasturtiums belongs to the Tropaeolaceae Family, with the genus *Tropaeolum* being the only member. Grow them as tender annuals giving them a warm sunny position, planting them direct; they make good fillers in Tulip beds.

**SEMI-DOUBLE GLEAM:** A popular type with double and semi-double fls; 18"; good for cutting. Oz. 30¢; 1/4 lb. \$80.

—*Apricot Gleam*.

NAST-1P. 20¢

Bright light apricot.

—*Crimson Glow*.

NAST-1C. 20¢

A deep glowing golden orange.

—*Fiesta*.

NAST-1T. 20¢

Golden orange, blotched scarlet.

**NAST-1F. 20¢**

—*Fire*. All-double bright scarlet.

**NAST-1G. 20¢**

—*Golden Gleam*.

A lovely golden yellow.

**NAST-1V. 20¢**

—*Loveliness*.

Bright salmon-cerise.

**NAST-1N. 20¢**

—*Indian Chief*.

A new double, sweet scented, dark lvs.

**NAST-1M. 20¢**

—*Moon*.

Semi-double yellow.

**NAST-1A. 20¢**

—*Orange Gleam*.

The best orange variety.

**NAST-1S. 20¢**

—*Salmon Gleam*.

Lovely rich salmon.

**NAST-1L. 20¢**

—*Scarlet Gleam*.

Fine rich red.

**NAST-1X. 15¢**

—*Gleam Mixed*.

**GLOBE TYPE:** Giant double flowers; 1 ft. plants; excellent bedder. Oz. 30¢.

**NAST-2AQ. 20¢**

—*Apricot Queen*.

**NAST-2D. 20¢**

—*Delightful*.

Soft salmon-cerise.

**NAST-2A. 20¢**

—*Garnet Gem*.

A deep crimson.

**NAST-2E. 20¢**

—*Scarlet Empress*.

Fine scarlet with dark foliage.

**NAST-2G. 20¢**

—*Golden Globe*.

Excellent golden yellow.

**NAST-2R. 20¢**

—*Golden Rose Emperor*.

Lovely rose with dark leaves.

**NAST-2M. 20¢**

—*Mahogany Gem*.

A deep mahogany color; showy.

**NAST-2B. 20¢**

—*Scarlet Globe*.

A popular scarlet variety.

**NAST-2F. 20¢**

—*Fiesta*.

—*Orange Gem*.

**NAST-2N. 20¢**

—*Globe Blend*.

**NAST-2X. 15¢**

**DWARF or TOM THUMB TYPE:** All have single flowers; 1 ft. high and will withstand more adverse conditions.

|   |                       |
|---|-----------------------|
| — <b>Empress of India.</b>  | <b>NAST-3E.</b> 20¢   |
| Velvety dark scarlet with dark leaves.  |                       |
| — <b>Faltham Beauty.</b>  | <b>NAST-3F.</b> 20¢   |
| A brilliant scarlet.  |                       |
| — <b>Golden King.</b>   | <b>NAST-3G.</b> 20¢   |
| A rich golden yellow.   |                       |
| — <b>Firebal.</b>   | <b>NAST-3B.</b> 20¢   |
| Compact; dark leaves; bright scarlet flowers well above the foliage.                  |                       |
| — <b>King of the Tom Thumbs.</b>  | <b>NAST-3K.</b> 20¢   |
| Bright scarlet; dark leaves.  |                       |
| — <b>King Theodore.</b>   | <b>NAST-3T.</b> 20¢   |
| Dark red; dark foliage.   |                       |
| — <b>Lady Bird.</b>   | <b>NAST-3L.</b> 20¢   |
| Lovely rich yellow, scarlet spotted; dark foliage.                                    |                       |
| — <b>Ruby King.</b>   | <b>NAST-3R.</b> 20¢   |
| Ruby-red; dark foliage.   |                       |
| — <b>Vesuvius.</b>  | <b>NAST-3V.</b> 20¢   |
| Brilliant salmon-rose; dark foliage.  |                       |
| — <b>Blend of Above.</b>  | <b>NAST-3X.</b> 15¢   |
| <b>TALL or CLIMBING TYPE.</b> To 3 ft; they should have support. Oz. 30¢; lb. \$2.75. |                       |
| — <b>Chamelon.</b>  | <b>NAST-4C.</b> 20¢   |
| Is in several blends of color.  |                       |
| — <b>Dunnott's Orange.</b>  | <b>NAST-4D.</b> 20¢   |
| One of the best orange varieties.   |                       |
| — <b>King Theodore.</b>   | <b>NAST-4K.</b> 20¢   |
| Dark foliage; dark red flowers.   |                       |
| — <b>Pearl.</b>   | <b>NAST-4P.</b> 20¢   |
| Lovely cream-white.   |                       |
| — <b>Prince Henry.</b>  | <b>NAST-4H.</b> 20¢   |
| Clear yellow with red spots.  |                       |
| — <b>Salmon rose.</b>   | <b>NAST-4SR.</b> 20¢  |
| — <b>Von Moltke.</b>  | <b>NAST-4V.</b> 20¢   |
| A lovely rosy blue.   |                       |
| — <b>Tall Blend.</b>  | <b>NAST-4X.</b> 15¢   |
| <b>LOBBIANUM:</b> (N. peltophorium) Round leaves; single flowers; climbing.           |                       |
| — <b>Spitfire.</b>  | <b>NAST-5S.</b> 20¢   |
| Intense red variety.  |                       |
| — <b>Lucifer.</b>   | <b>NAST-5L.</b> 20¢   |
| Orange-red.   |                       |
| — <b>Beauty of Malvern.</b>   | <b>NAST-3M.</b> 20¢   |
| — <b>Mixed.</b>   | <b>NAST-5X.</b> 15¢   |
| — <b>pergrinium.</b>  | <b>TROP-7.</b> 20¢    |
| Canary-Bird-Vine. See Tropaeolum.   |                       |
| <b>NELUMBNIUM.</b> (nee-LUM-bee-um)   |                       |
| Lotus. Nymphaeaceae. Aquatic plants; most seed germinate better if filed.             |                       |
| — <b>Nelumbo.</b>   | <b>NELU-3.</b> 40¢    |
| East Indian Lotus. Pink or rose fls; (X); file seeds. 100 seeds \$4.00.               |                       |
| — <b>album.</b>   | <b>NELU-3A.</b> 40¢   |
| <b>NEMESIA.</b> (nem-MEESH-ee-ah)   |                       |
| — <b>strumosa Orange King.</b>  | <b>NEME-10K.</b> 20¢  |
| Compact; large flowered orange; TA.   |                       |
| — <b>Aurora.</b>  | <b>NEME-10A.</b> 20¢  |
| Bicolor, carmine and white.   |                       |
| — <b>Suttonii.</b>  | <b>NEME-10S.</b> 20¢  |
| Dark scarlet.   |                       |
| — <b>Orange.</b>  | <b>NEME-10SG.</b> 20¢ |
| — <b>Orange Prince.</b>   | <b>NEME-10P.</b> 20¢  |
| — <b>Blue Gem.</b>  | <b>NEME-10B.</b> 20¢  |
| Compact large flowered blue.  |                       |
| — <b>Twilight.</b>  | <b>NEME-10T.</b> 20¢  |
| Compact large flowered blue and white.  |                       |
| — <b>New Blue.</b>  | <b>NEME-10B.</b> 20¢  |
| — <b>Blend of Above.</b>  | <b>NEME-10X.</b> 20¢  |
| — <b>vericolor Fire King.</b>   | <b>NEME-11K.</b> 20¢  |
| Compact; dwarf; scarlet-crimson.  |                       |
| — <b>Mixed.</b>   | <b>NEME-11X.</b> 20¢  |
| — <b>Nemesia All Mixed.</b>   | <b>NEME-X.</b> 20¢    |
| <b>NEMOPHILA.</b> (nee-MOFF-il-ah)  |                       |
| — <b>maculata.</b>  | <b>NEMO-2.</b> 20¢    |
| Five-Spot. Deep purple spot on tip of each lobe; HHA.                                 |                       |



### NEMOPHILA—Baby Blue Eyes

|                                       |                     |
|---------------------------------------|---------------------|
| — <b>Menziesii. v. crambeoides.</b>   | <b>NEMO-3C.</b> 20¢ |
| Baby-Blue-Eyes. Blue; HHA.            |                     |
| — <b>White.</b>                       | <b>NEMO-3W.</b> 20¢ |
| — <b>atomaria.</b>                    | <b>NEMO-3A.</b> 20¢ |
| Paler blue, dotted purple or black.   |                     |
| — <b>Holborn Blue Bell.</b>           | <b>NEMO-3H.</b> 20¢ |
| — <b>discoidalis.</b>                 | <b>NEMO-3D.</b> 20¢ |
| Buish purple centers; white on edges. |                     |
| — <b>Mixed.</b>                       | <b>NEMO-3X.</b> 20¢ |
| Ounce \$1.00.                         |                     |
| — <b>All Mixed.</b>                   | <b>NEMO-X.</b> 20¢  |

**NEPETA.** (NEP-ee-tah)  
Catnip. Labiateae. Aromatic annuals and perennials with white and blue flowers in whorls, clusters or spikes. Some species are very pretty and can be grown in shade; easily grown.

|  |                     |
|--|---------------------|
| — <b>Cataria.</b>                              | <b>NEPE-3.</b> 20¢  |
| Catnip. Whitish or pale purple fls; 1½ ft; HP. |                     |
| — <b>citriodora.</b>                           | <b>NEPE-3C.</b> 25¢ |
| — <b>Mussinii.</b>                             | <b>NEPE-10.</b> 25¢ |

**NERIUM.** (NEER-ee-um)  
—**Oleander.** Oleander.

**NERTERA** (NERT-er-uh)  
Liliaceae. Bog-Asphodel. Rhizomatous plants with grass-like leaves and small flowers in terminal racemes. Found in marshes of New Jersey.

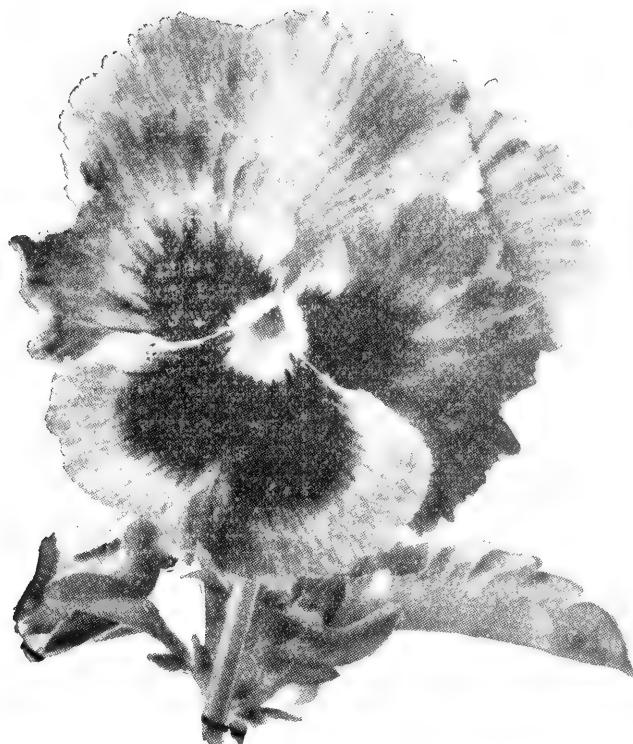
—**granadensis.** (N. depressa) Bead Plant. Orange fruits; ornamental; GH in North; (IX).  
To produce the berries on pot plants use a 3-4-fern pot, fill ⅔ with 3-½ broken pots, cover this with 1" peat and top-off with 1" compost, of 3 parts leaf mould, 1 sand; keep in shade till flowers appear, then in semi-shade; give plenty of water and keep peat moist during the winter.

**NEOLLOYDIA:** see in list under Cacti.

**NICANDRA.** (nye-KAND-ruh)  
—**Physalodes.** Shoo Fly Plant. Sky-bluebells, 1" ac; 3 ft; HHA.

**NICOTIANA**  
—**alata gr. fl. Daylight.** (affinis) Jasmine Tobacco. (X).  
—**French Hybrids.** NICO-3F. 20¢  
—**Sweet Scented White.** NICO-3W. 20¢  
—**Hybrids.** NICO-3H. 20¢  
—**Sanderae, Crimson King.** NICO-30K. 20¢  
Salver-form fls; crimson; hyb'd; 3 ft; TA.

|  |              |   |                     |
|--|--------------|---|---------------------|
| — <i>suaveiens.</i>  | NICO-31. 20¢ | — <i>trilobia.</i>  | OENO-74. 25¢        |
| White nodding flowers; fragrant; 2 ft; TA.   |              | Stemless; yellow fls, 3" ac; 4 ft; (V); HP.   |                     |
| — <i>sylvestris.</i>   | NICO-33. 20¢ | — <i>Mixed Oenothera.</i>   | OENO-X. 20¢         |
| — <i>Mixed.</i>  | NICO-X. 20¢  |   |                     |
| <b>NIEREMBERGIA.</b> (nee-rem-BERG-ee-uh)  |              | <b>OLEA.</b>  | (OH-lee-ah)         |
| — <i>hippomonia.</i>   | NIER-7. 25¢  | — <i>europaea.</i>  | OLEA-5. 30¢         |
| Large blue flowers all summer long.  |              | Olive. 25 ft; (IX).   |                     |
| — <i>Purple Robe.</i>  | NIER-7P. 25¢ |   |                     |
| Fine purple variety.   |              |   |                     |
| <b>NIGELLA.</b> (nye-JELL-uh)  |              | <b>OLDENBERGIA.</b> (old-den-BERG-ee-uh)  |                     |
| Fennel-flower. Ranunculaceae.  |              | — <i>abuscula.</i>  | OLD-1. 40¢          |
| — <i>damascena, Miss Jekyll.</i>   | NIG-3J. 20¢  |   |                     |
| Love-in-a-Mist. Double indigo-blue fls; 18";   |              |   |                     |
| — <i>hispanica.</i>  | NIG-6. 20¢   | <b>OLEARIA.</b>   | (oh-lee-AY-ree-uh)  |
| — <i>Miss Jekyll.</i>  | NIG-6J. 20¢  | Daisy Tree, Compositae. Contains a number of very fine shrubs and near trees, native of Australia, and closely allied to the Perennial Aster. Long flowering period; the smaller growing species make fine pot-plants.  |                     |
| Excellent variety with large white flowers; HHA.   |              | — <i>surfaracea.</i>  | OLER-10. 25¢        |
|  |              | New Zealand Tree Aster.   |                     |
| <b>NOLANA.</b> (nol-LAY-nuh)   |              | <b>OMPHALODES.</b>  | (om-fal-LOH-deez)   |
| — <i>striplicifolia alba.</i>  | NOLA-1. 20¢  | — <i>linifolia.</i>   | OMPH-5. 25¢         |
| White flowers, 2" across; 1 ft; good basket or window box plant. ½ Oz. 40¢.  |              | (Cynoglossum) White fls, ½" ac; TA.   |                     |
|  |              | — <i>Luciliae.</i>  | OMPH-6. 50¢         |
|  |              | Sky-blue fls; 8 ft; HP.   |                     |
| <b>NOLINA.</b> (NOLT-ee-uh)  |              | <b>ONCOBA.</b>  | (ON-koh-bah)        |
| Liliaceae. A desert plant producing a tree-like trunk; small whitish fls and stiff linear lvs; for warm sections.  |              | — <i>Routledgei.</i>  | ONCO-5. 25¢         |
| — <i>longifolia.</i>   | NOLI-3. 25¢  | African tree; many Camellia-like white flowers; yellow centers; (IX).   |                     |
| (Dasyliron) Desert plant; 10 ft.   |              | — <i>spinosa.</i>   | ONCO-6. 50¢         |
|  |              | Large white flat flowers; 8-10 ft; S. Af; TSh; (IX).  |                     |
| <b>NOMOCHARIS.</b>   | NOMO-2. 25¢  | <b>ONONIS.</b>  | (on-NOH-niss)       |
| — <i>agerta.</i>   |              | Rest-Harrow. Leguminosae. They are easily grown and are good plants for the border or rockery. Flowers are either solitary or in racemes.   |                     |
| <b>NOTOCACTUS:</b> see in list under <b>Cacti.</b>   |              | — <i>rotundifolia.</i>  | ONON-15. 35¢        |
|  |              | Bright; shrubby; 1½ ft; HP.   |                     |
| <b>OCIMUM.</b> (OSS-im-um)   |              | <b>ONOPORDUM.</b>   | (on-oh-PORD-um)     |
| Basil. Labiate. Aromatic tender annuals grown in the herb garden for their value as seasoning and fragrance. Start indoor in North for early crop. Cut leaves just before flowers are in full bloom for drying for winter use. |              | Compositae. Thistle-like plants of Old World; flowers in clustered heads, purple or white disks.  |                     |
| — <i>BASILICUM: Basil..</i>  |              | — <i>Acanthium.</i>   | ONOP-1. 25¢         |
| — <i>Lettuce-Leaf, Green.</i>  | OCIM-1L. 20¢ | Scotch Thistle. HB; 9 ft.   |                     |
| Large tender leaves; 2 ft; TA. Oz. 45¢; lb. \$2.00.  |              |   |                     |
| — <i>Purple Bush.</i>  | OCIM-1P. 20¢ |   |                     |
| Oz. 50¢; lb. \$4.00.   |              |   |                     |
| — <i>Green Bush.</i>   | OCIM-1G. 20¢ |   |                     |
| Oz. 50¢ lb. \$4.00.  |              |   |                     |
|  |              | <b>ONOSMA.</b>  | (oh-NOZ-mah)        |
|  |              | Boraginaceae. Annuals, biennials and perennials with extremely attractive flowers in white, yellow or purple, in one-sided clusters. They do well in sun or part shade; suitable for the border or rockery; easy.   |                     |
|  |              | — <i>stellatum tauricum.</i>  | ONOS-8. 25¢         |
|  |              | Gold Drop. Golden yellow fls; wall plant 8"; HP.  |                     |
|  |              | <b>OPHIOPOGON.</b>  | (off-ee-oh-POH-gon) |
|  |              | Lily Turf. Liliaceae. Turf forming plants with racemes of small whitish flowers and grass-like leaves, often striped and spotted with white or yellow; useful for turf or border edgings that require no clipping; not extra hardy in the North; sun or shade; (V). |                     |
| — <i>Drummondii.</i>   | OENO-23. 25¢ | — <i>Clarkei.</i>   | OPHI-4. 30¢         |
| Bright yellow fls, 2" across; 1-2 ft; HA.  |              | — <i>intermedius.</i>   | OPHI-6. 25¢         |
| — <i>flava.</i>  | OENO-25. 30¢ |   |                     |
| — <i>fruticosa.</i>  | OENO-26. 20¢ | <b>OPULASTER:</b> see <b>Physocarpus.</b>   |                     |
| Showy yellow fls, 2" ac; dry land; 1-3 ft; HP.   |              |   |                     |
| — <i>Jamesii.</i>  | OENO-29. 30¢ | <b>OPUNTA.</b>  | (op-PUNT-ee-uh)     |
| Yellow fls, 1" ac; 4 attractive petals; 8 ft; (VIII); HP.  |              | — <i>Ficus-indica.</i>  | OPUN-93. 30¢        |
| — <i>Lamarckiana.</i>  | OENO-33. 20¢ | Indian Fig. 15 ft; (X).   |                     |
| Yellow fls, 2" ac; 3 ft; HP.   |              | — <i>Mixed Species.</i>   | OPUN-X. 30¢         |
| — <i>missouriensis.</i>  | OENO-40. 20¢ |   |                     |
| Yellow fls, 4-6" ac; 1 ft; HP.   |              |   |                     |
| — <i>odorata.</i>  | OENO-43. 20¢ |   |                     |
| Yellow fragrant fls fading to reddish; fragrant; 4 ft; HA.   |              |   |                     |
| — <i>rhombipetala.</i>   | OENO-51. 20¢ | <b>OREOCEREUS:</b> see in list under <b>Cacti.</b>  |                     |
| Yellow fls, 2" ac; 4 ft; HB.   |              |   |                     |



PANSY — OREGON GIANTS

**ORMOSIA.**

—*monosperma*.

ORMO-1. 50¢

Necklace Tree. Indian ornamental tree.

**ORNITHOGALUM.** (or-nith-THOG-al-um)

Liliaceae. Bulbous plants with white, yellow or reddish flowers in bracted racemes or corymbs. The tender species are grown as a pot plant in the North.

—*caudatum*.

ORNI-4. 40¢

White flowers with green centers; 3 ft; GH; (X).

**OROBUS vernus:** see *Lathyrus vernus*.

**ORTHOCARPUS.**

(orth-oh-KARP-us)

—*tenuifolius*.

ORTH-4. 30¢

Owl's Clover. Yellow fls; 8"; HA...

**OSBECKIA.**

—*White*.

OSBE-1. 25¢

**OSMARONIA.**

(os-mar-ROH-nee-uh)

—*cerasiformis*.

OSMR-1. 50¢

Osoberry. Sow when ripe, best or stratify; (*Nuttalia*); (IV); ornamental shrub.

**OSTEOSPERMUM.**

—*Echlonis*.

OSTE-4. 50¢

Van Slanden's Daisy. (*Dimorphotheca*) White flowers rays; 2 ft; sub-sh'b; TP; (IX).

**OTHAKE:** see *Polyptilia Hookeriana*.

**OURATEA.**

—*littoralis*.

OURA-9. 40¢

**OXALIS.**

—*corniculata purpurea*.

OXAL-11. 30¢

Creeping perennial; light yellow fls; purple leaves.

**OXYDENDRON.**

(ox-id-DEN-drum)

—*arboreum*.

OXYD-1. 50¢

Sour-Wood, Sorrel-Tree. Ornamental tr; sow in frame, keep shaded and moist till germinated; (V).

**OXPETALUM.**

(ox-PET-al-um)

—*caeruleum*.

OXPY-1. 25¢

Twining herb; blue flowers; (X).

**OXYRIA.**

Polygonaceae. Low erect perennials especially nice for the rockery.

—*digyna*.

OXYR-2. 50¢

1 ft; many flowers; RG; HP.

**PACRATIUM.**

PANC-6. 30¢

—*illyricum*.

Summer flowering bulbs.

**PAICUM plicatum:** see *Sataria plicata*.

**PEONY.**

(pee-OH-nee-uh) Ranunculaceae. Peony. The species come true from seed and are interesting subjects where one has room to grow a Peony collection. The seeds are best right after harvest. For Peony roots see Iris List.

—*Brownii*.

PAEO-4. 50¢

Charming dwarf with brownish red flower petals; native of our western mountains.

—*cambessadesii*.

PAEO-5. 75¢

April flowering; single pink fls amid green and red leaves; handsome in autumn with scarlet and black seed boxes; 1 ft; fresh seed in October or November.

**NOTE:** I would like to contact anyone in a position to supply seed of Peony species.

**PALIURUS.**

(pal-ee-YEW-rus)

—*Spina-Christi*.

PALL-5. 25¢

Christ Thorn, Jerusalem Thorn; (VI).

**PANAX.**

(PAY-nax)

—*quinquefolium.*

PANA-3. 30¢

Genseng. Grown for its roots; shade; 18"; HP. 100 seeds \$3.00.

**PANDANUS.**

(pan-DAP-nus)

—*odoratissimus.*

PAND-9. 90¢

Grown in the GH or hardy in (IX) zone. 100 seeds \$4.00.

**PANDIAEA.**

PAN-1. 25¢

—*Species.*

Seed from South Rhodesia.

**PANDIAKA.**

PANK-1. 25¢

—*Species.*

Seeds from South Rhodesia.

**PANICUM.**

(PAN-ik-um)

—*capillare.*

PANI-1. 25¢

Witch Grass. Everlasting; 2 ft; HA.

### PANSY

Viola tricolor. Violaceae. Pansies are best grown as a hardy annual or biennial, especially in the North. They do best in a rich loamy soil and not exposed to hot, dry winds; they stand some shade. Seeds can be started indoors very early in a cool place and the plants shifted to flats and placed in a cold frame transplanting them to their outdoor beds in early May or they can be started in July, even as late as August and the plants established well before fall or wintered over in a frame. We sell a great amount of Pansy seed annually and will be pleased to quote special pound prices to commercial growers; for best prices orders should be placed before April for summer delivery; on these early orders it will not be necessary to remit at the time.

**GIANT FLOWERING SWISS GIANTS:**

Probably the most popular of the large flowering type Pansies; they are very large flowering, clear colors, both one color and in two color combinations.

—*Alpinglow.*

PANS-1A. 25¢

A large flowered bright scarlet.

—*Bergwacht.*

PANS-1G. 25¢

Velvety violet-blue.

—*Berna.*

PANS-1B. 25¢

Velvety dark blue.

—*Blumisalp.*

PANS-1L. 25¢

Soft rose with a beautiful velvety blotch.

—*Cardinal.*

PANS-1D. 25¢

Bright red; very showy variety.

—*Claret.*

PANS-1C. 25¢

A beautiful wine-red.

—*Evening Glow.*

PANS-1E. 25¢

Lovely copper-red; giant flowers.

—*Flame.*

PANS-1F. 25¢

A attractive wine-red.

—*Gold Spot.*

PANS-1N. 25¢

Deep yellow with a pure white spot.

—*Laura.*

PANS-1LA. 25¢

A showy rosy lilac.

—*Mont Blanc.*

PANS-1W. 25¢

The best pure white variety.

—*Orange Sun.*

PANS-1S. 25¢

A new variety in bright orange.

—*Reingold.*

PANS-1R. 25¢

Deep golden yellow with a dark blotch on lower three petals; showy.

—*Silver Bride.*

PANS-1V. 25¢

A glistening white.

—*Ullswater.*

PANS-1U. 25¢

Marine-blue with darker blotch of blue.

—*Yellow Master.*

PANS-1Y. 25¢

An exceptionally fine deep rich yellow.

PANS-1WR. 25¢

A rich showy wine-red.

PANS-1RW. 25¢

—*Red Wings.*

PANS-1X. 25¢

—*Dwarf Swiss Giants Mix.* PANS-1DX. 25¢

These are dwarf growing plants.

PANS-1SX. 25¢

—*Saier's Swiss Giant.*

PANS-1SM. 25¢

This is our best blend. It is recommended highly to those growing Pansies for the box trade, where extra color is wanted.

Oz. \$6.00; lb. \$45.00.

### VARIOUS PANSY STRAINS:

These are all large flowered types.

—*Cassier's Giants.*

PANS-2C. 25¢

All with large blotches.

—*Three Blotch.*

PANS-2CT. 25¢

—*Carnation Gold.*

PANS-2N. 25¢

A giant pure golden yellow; very showy.

—*Engleman's Giants.*

PANS-2E. 35¢

These are beautiful Pansies; the petals have a lighter tone around the wavy edges; colors are solid. Oz. \$5.00; lb. \$40.00.

—*Maple Leaf.*

PANS-2M. 25¢

Husky growers; dark green foliage; full color range.

—*Masterpiece.*

PANS-2P. 25¢

Daintily ruffled and frilled; rich reds and browns. Oz. \$3.50; lb. \$22.00.

—*Orchid Flowered.*

PANS-2H. 25¢

Waved and curled petals in full colors.

—*Scottish Exhibition.*

PANS-2R. 25¢

Mammoth flowers, heavily blotched; petals of circular outline. Oz. \$5.50.

—*Oregon Giants.*

PANS-2G. 25¢

Bright blend of giant flowered Pansies.

—*FELIX.*

PANS-2F. 25¢

This is a recently introduced strain of "whiskered" Pansies that have been well liked by those already growing them; has a rich range of colors. Oz. \$6.00; lb. \$43.00.

—*Mixed Colors.*

PANS-9X. 25¢

**HIELMALIS:** Ice Pansy. They flower very early, even in the snow and while the flowers are smaller, they are distinct and showy for the time of year they flower; they should be planted so as to be protected from the sun.

—*Blue Boy.*

PANS-3B. 25¢

Showy silver Blue.

—*Claret.*

PANS-3C. 25¢

Beautiful wine-red.

—*Celestial Queen.*

PANS-3Q. 25¢

Brilliant light blue.

—*March Beauty.*

PANS-3M. 25¢

Dark velvety purple.

—*Winter Sun.*

PANS-3S. 25¢

Golden yellow with showy dark blotch.

—*Surich Sea.*

PANS-3Z. 25¢

Very showy light blue.

—*Woden.*

PANS-3W. 25¢

Black; king of the spring garden.

—*Hiemalis Blend.*

PANS-3X. 25¢

—*ALL PANSY BLEND.*

PANS-X. 25¢

Contains all the Pansies listed above plus many other kinds. Oz. \$2.00; lb. \$20.

**PAPAVER:** see under POPPY.

**PARKINSONIA.** • (pahr-kin-SOH-nee-ah)

Leguminosae. Tropical and sub-tropical shrubs and trees with whitish or yellow racemes and flattened leathery pods; none hardy in the North but some are native up

to Texas and Arizona.

—*aculata*. PARK-1. 30¢  
A good hedge shrub or tree; (IX).

**PARMENTIERA.** (pahr-ment-YEER-uh)

—*cereifera*. PARM-3. 30¢  
Candle Tree. White flowers 3" long; followed by fruits to 4 ft. long, resembling candles. (IX).

**PARNASSIA.** (par-NASS-ee-uh)

—*nubicola*. PARN-1. 25¢  
Small grass-like herbs; India; damp spots  
—*pulustris*. PARN-15. 25¢  
Flowers 1" across; (IV); HP.  
—*Mixed*. PARN-X. 20¢  
Several species mixed.

**PARONYCHIA.** (par-oh-NIK-ee-uh)

Whitlow-wort, Nail-wort. Illeceosceae. Small herbaceous tufted annuals and perennials with small clustered flowers. They are especially nice in the rockery and easy to grow.

—*argentea*. PARON-1. 30¢  
Prostrate; white flowers in dense clusters amongst the leaves; HHP.

**PARROTIA.** (par-ROH-tee-uh)

—*persica*. PARR-2. 25¢  
Small tree, slow grower; perfectly hardy; very good; autumn coloring.

**PARTHENOCISSUS.** (parth-en-oh-SISSL-us)

—*quinquefolia*. PART-5. 25¢  
Virginia Creeper. Hardy vine to 10 ft.  
—*tricuspidata v. Veitchii*. PART-7. 25¢  
Boston Ivy. Young leaves purple; vine grown mainly on stone or brick walls; to 60 ft; hardy (IV).

## PASSIFLORA

Passion Flower. Passifloraceae. Mostly tendril climbing plants, not hardy in the North but many are grown indoors where they make good house plants. In pots use some leaf mold in a fibrous loam and give liquid manure when in growth.

—*antioquensis*. PASS-4. 40¢  
(Tacsonia Van-Volkemii). Bright red fls to 4" across; (X). 100 seeds \$2.25.  
—*Byronoides*. PASS-7. 40¢  
—*caerulea*. PASS-8. 40¢  
Pale pink fls; fruits yellow; (X); or GH.  
—*edulis*. PASS-12. 40¢  
Purple Granadilla. White fls, 2" ac; fruits purple; edible.

—*incarnata*. PASS-17. 25¢  
White flowers shading to pink with rings around blossom; Va-Texas.

—*mollissima*. PASS-29. 40¢  
Rose fls, 3" across; yellow fruits; (X).

—*quadangularis*. PASS-32. 40¢  
Giant Granadilla. White fls, 3" ac; (X).

—*subpeltata*. PASS-39. 40¢  
(P. alba) Pure white fls, 2" ac; Mexico.

—*tomentosa speciosa*. PASS-44S. 25¢  
Tall grower but not a wild one; fls 3" across, a beautiful deep pink shade; petals surround a purple collar of rather coarse hairs; fls the year around; is used in floral work; N. Z.

**PAULOWNIA.** (pol-LOH-nee-uh)

—*fomentosa*. PAUL-4. 30¢  
A pretty ornamental tree to 40 ft; pale violet fls, spotted darker inside; fragrant; (VI); seedlings damp off easily; give air

circulation, especially at night; sow in the spring, best.

**PAW PAW:** see *Asimina triloba*.

**PEDICULARIS.** (ped-ik-yew-LAY-riss)

Wood-Botony, Lousewort. Scrophulariaceae. Annuals and perennials with 2-lipped flowers in spiked clusters in whitish and reddish colors and used in the rockery and border with good effect.

—*densiflora*. PEDI-4. 25¢  
Very brilliant scarlet fls; woodland; 1 ft; Calif; HP.  
—*groenlandica*. PEDI-5. 25¢  
Red and purple flowers; 18"; hardy; HP.  
—*siphonantha*. PEDI-12. 25¢  
Pink fls; beautiful leaves; rockery; HP.  
—*Mixed*. PEDI-X. 25¢

**PELARGONIUM.** (per-ahr-GON-nee-um)

Stork's Bill. Geraniaceae. The Geranium of the greenhouse, all tender perennials. Many pretty forms can be grown from seed.

—*graveolens*. PELA-18. 40¢  
Rose Geranium. Rose flowers; 2-3 ft; fragrant.

—*odoratissimum*. PELA-28. 50¢  
Apple or Nutmeg Geranium. White fls in 5-10 flowered umbels.

—*zonale, Mixed*. PELA-35. 30¢  
A choice selection made from a large European collection.

**PELTOPHORUM.** (pel-TOH-flor-um)

(Baryxylum) Leguminosae. Tropical ornamental trees with showy yellow flowers in terminal panicles and flattened winged pods.

—*africanum*. PELT-4. 40¢  
Rhodesian Black Wattle. Very ornamental tree; bright yellow flowers and feathery foliage; sweet scented; thornless; fls in terminal clusters; (X).

—*inerme*. PELT-5. 40¢  
(ferrugineum) Showy tree; (X).  
—*Mixed*. PELT-X. 30¢

**PENNISETUM.** (pen-nis-SEET-um)

Gramineae. Ornamental Grass. Annuals and perennial grasses for the border or specimen planting; useful, also, as dried grasses; start indoors early for good sized plants; TA.

—*caudatus*. PENN-2. 25¢  
—*latifolium*. PENN-4. 30¢  
Grows to 4 ft; leaves 1 ft. long; spikes 4" long, nodding; Peru; HHP.

—*Ruppelii*. PENN-9. 25¢  
Fountain Grass. Solitary spikes, purple, red and rose; 4 ft; TP. 1/4 Oz. 75¢.

—*villosum*. PENN-11. 25¢  
(longistylum) Pretty; 2 ft; spikes plume-like; purplish; TP. 1/4 Oz. 75¢.  
—*Mixed*. PENN-X. 25¢

## PENSTEMONS

Attractive genus of perennials, nearly all of which are native of N. America, one comes from Japan; bright tubular flowers on terminal racemes or panicles. They are not hard to grow and do best in well drained soil.

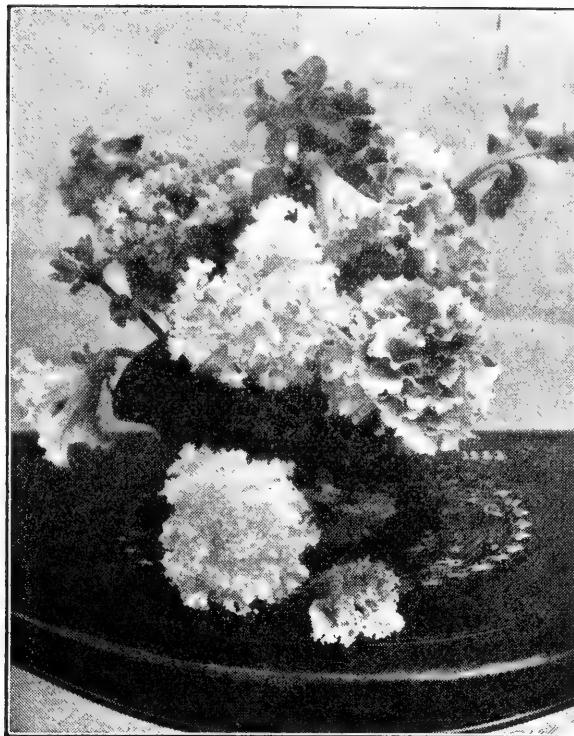
—*aggregatus*. PENS-4. 30¢  
Showy large deep blue fls; best of the clusterheads; 1 ft; HP.

—*albertinus*. PENS-5. 25¢  
Bright blue spikes; rockery; lvs in basal rosettes; 8"; HP.

—*arizonicus v. Helleri*. PENS-14H. 35¢  
Purple fls; 8"; glabrous; (V); HP.

—*auriberbis*. PENS-15. 25¢

- Neat rockery plant; showy, pale lilac fls; golden beard; 4-8"; HP. **PENS-20.** 25¢
- barbatus.* Red fls 1" long; 6 ft; Utah; HP. **PENS-20F.** 25¢
- Flat Head Lakes.* Clear coral red; blooms all summer; nice; HP. **PENS-20H.** 25¢
- Hybrids.* A French grow strain. **PENS-21.** 25¢
- Barreiteae.* Shrubby; rose-purple fls; 1 ft; HSh. **PENS-24.** 25¢
- bicolor.* Yellow form; large fls; 3 ft; HP. **PENS-24R.** 25¢
- roseus.* H. P. Rare Arizona form; rose-purple fls; 1 ft; **PENS-23.** 35¢
- Bridgesii.* Sub-shrub; intense scarlet fls; RG; 1 ft; H. P. **PENS-28.** 30¢
- Canescens.* Pale purple fls; for wild garden; 3 ft; HP. **PENS-29.** 25¢
- Cardwellii.* Fine sub-shrub; purple fls; broad ev. lvs; 1 ft; HP. **PENS-31.** 30¢
- caudatus.* Glaucous blue lvs; lavender or blue fls; 1 ft; HP. **PENS-31A.** 30¢
- alba.* A pretty white form. **PENS-33.** 30¢
- clutei.* Bluish lvs; rose fls touched orange; 3 ft; HP. **PENS-33A.** 30¢
- albiflorus.* Purple fls, 2" long; 2 ft; Mo-Tex; HP. **PENS-34.** 25¢
- Cobaea.* Very pretty; large bell-shaped fls; 2 ft; HP. **PENS-34C.** 30¢
- coloradense.* Choice and neat growing; bright silver lvs; blue fls; 3 ft; HP. **PENS-35.** 25¢
- comarrhenus.* Showy deep blue; lovely; 18"; HP. **PENS-37.** 25¢
- congestus.* Dense basal rosettes of bluish lvs; blue spikes; 2 ft; HP. **PENS-44.** 30¢
- cyananthus.* Intense blue fls in clusters; 2 ft; HP. **PENS-47.** 30¢
- Davidsonii.* Matted alpine; lilac-purple fls; Wash; HP. **PENS-51B.** 25¢
- diffusus Blue Bedder.* A rich blue flowered form. **PENS-53.** 25¢
- Digitalis.* White or pinkish fls; strong grower; 5 ft; HP. H. **PENS-50.** 25¢
- dustus.* Neat attractive RG plant; mats 1 ft. ac; 8"; HP. **PENS-57S.** 35¢
- Fatonii ssp. exserius.* Showy; large red spikes; 4 ft; HP. **PENS-57L.** 30¢
- lancefolius.* A Nevada form with narrow lvs; 4 ft. **PENS-57N.** 25¢
- undosus.* Downy stems; large basal lvs; red fls; 2-3 ft; HP. **PENS-59.** 25¢
- erianthera ssp. saliens.* Flat rosettes; large lavender fls; RG; 1 ft; HP. **PENS-61.** 25¢
- Fendleri* Blue fls flushed pink; dry spots; RG; 1 ft; HP. **PENS-63.** 25¢
- flavescens.* Neat alpine; small creamy yellow fls; HP. **PENS-64.** 25¢
- floridus.* Showy fls in spikes of rose-pink; 4 ft; HP. **PENS-65.** 25¢
- fruticosus.* Blue fls in June; shrubby; 2 ft; HP. **PENS-65A.** 25¢
- alba* Good shrubby evergreen; white fls. **PENS-66.** 30¢
- Gairdneri.* Small pure blue fls; plant tufted; 10"; HP. **PENS-67.** 25¢
- Garrettii.* Large deep blue fl-spikes; RG; 1 ft; HP. **PENS-68.** 25¢
- Procumbent; fine purple-blue; is very hardy; 1 ft; HP. **PENS-71S.** 25¢
- gloxinioides Sensation* Showy; many colors; cuts; 2 ft; HP. **PENS-75.** 30¢
- gracilis.* Lilac or whitish fls; 15"; (II); HP. **PENS-88.** 25¢
- grandiflorus.* Showy large lavender-blue fls; 6 ft; HP. **PENS-76M.** 30¢
- x Murrayanus.* A nice cross; easy; HP. **PENS-78A.** 25¢
- albus* Come 50% true; white form; 6 ft; HP. **PENS-78L.** 25¢
- Lavender Form.* **PENS-83.** 30¢
- Hartwegii.* Scarlet fls, 2" long; giant flowered. **PENS-84.** 25¢
- heterophyllus.* Showy Calif. species; rose-violet to an intense blue; 3-5 ft; HHP. **PENS-85.** 25¢
- hirsutus* Pink to purple; improved form; 2 ft; HP. **PENS-85G.** 25¢
- Gladwyne Varieties.* Mrs. Norman Henry's strain; beautiful. **PENS-88G.** 25¢
- Hybrid, Southgate Gem.* **PENS-88P.** 25¢
- Pink Form.* **PENS-92.** 25¢
- Jamesii.* Neat alpine; clumps; soft blue-lavender fls; 1 ft; HP. **PENS-95.** 25¢
- laevigatus.* Pale lavender fls; 3 ft; HP. **PENS-96.** 30¢
- leiophyllus.* A rare form; pure deep blue; easy; 3 ft; HP. **PENS-97.** 30¢
- lentus.* Pretty; spikes of rare blue shade; alpine **PENS-97A.** 30¢
- albiflorus.* Shrub; bright yellow fls; 4 ft; HP. **PENS-104.** 30¢
- microphyllus.* Long spikes of bell-shaped blue fls; 2 ft; HHP. **PENS-111.** 25¢
- neomexicanus.* Blue fls; 1 ft; Montana; HP. **PENS-113.** 25¢
- polyphyllus.* Blue funnel-form fls; Mont; HP. **PENS-114.** 30¢
- Olgae.* Pretty blue fls; fine for cutting; 4 ft; (IV); HP. **PENS-119.** 30¢
- ovatus.* More flaring fls than P congestus; 1 ft; HP. **PENS-118.** 30¢
- pachyphyllus.* Very showy; very large white, flushed pink fls; 3 ft; HHP. **PENS-120W.** 25¢
- White Form.* Broader type and thinner stems; smaller capsules. **PENS-120E.** 30¢
- eglandulosus.* Rosy lilac fls good cut; grows well in the fact; F. E. Blunck strain. **PENS-126.** 25¢
- platyphyllus.* Sub-shrub; showy blue spikes; RG; 1 ft; HP. **PENS-128.** 25¢
- procerus* Native Montana species; blue fls; June-July; 1 ft; HP. **PENS-129.** 25¢
- pseudospectabilis ssp. connatifolius.* Showy; mixed colors; 1 ft; HP. **PENS-134M.** 25¢
- Rattanii minor.* Lavender fls; smaller than species; 18"; HP. **PENS-131C.** 30¢
- rubicundus.* Attractive; lovely rose fls; stands some shade; 4 ft; HP. **PENS-137.** 30¢
- rupicola.* Choice species for scree; red fls; decumbent shrub; 4 ft; HP. **PENS-138.** 40¢
- Scouleri.* Shrub; white fls; 18"; HP. **PENS-142.** 25¢
- ecundiflorus.* Showy; large lavender fls; 2 ft; HP. **PENS-143.** 25¢



### PETUNIA — DWARF GIANTS OF CALIFORNIA

|  |                       |
|--|-----------------------|
| <b>—sepalus.</b>   | <b>PENS-144. 30¢</b>  |
| Sub-shrub; large inflated violet fls; very showy; 3 ft; HP.  |                       |
| <b>—Six Hills Variety.</b>   | <b>PENS-145. 25¢</b>  |
| Small shrubby plant; rosy purple fls; 4 ft; HP.  |                       |
| <b>—speciosus.</b>   | <b>PENS-147 25¢</b>   |
| Very showy large blue fls; very good; 2 ft; HP.  |                       |
| <b>—strictus.</b>  | <b>PENS-149. 25¢</b>  |
| Very showy; densely packed deep blue spikes; 78"; HP.  |                       |
| <b>—subglaber</b>  | <b>PENS-150. 25¢</b>  |
| Showy deep blue fls; long spikes; 18"; HP.   |                       |
| <b>—triflorus.</b>   | <b>PENS-159. 30¢</b>  |
| Bright rose-purple fls; bell-shaped; very nice; HP.  |                       |
| <b>—triphyllus ssp. diphyllus.</b>   | <b>PENS-160D. 40¢</b> |
| Rich blue-purple; attractive; RG; 1 ft; HP.  |                       |
| <b>—unilateralis.</b>  | <b>PENS-162. 25¢</b>  |
| Tall lavender; border type; 2 ft; (IV); HP.  |                       |
| <b>—venustus.</b>  | <b>PENS-166. 30¢</b>  |
| Light purple, 1" long; (III); HP.  |                       |
| <b>—Watsonii.</b>  | <b>PENS-170. 25¢</b>  |
| Light to deep blue fls, in profusion; 18"; HP.   |                       |
| <b>—Whippleanus.</b>   | <b>PENS-171. 25¢</b>  |
| Leaves in rosettes; purple to lavender fls; 18"; HP.   |                       |
| <b>—Wilcoxii.</b>  | <b>PENS-174. 25¢</b>  |
| Clear blue fls in open panicles; 4 ft; HP.   |                       |
| <b>—Penstemon Blend.</b>   | <b>PENS-X. 25¢</b>    |
| Contains nearly all the species in the genus; not offered elsewhere. Oz. 75¢.                          |                       |
| <b>PEPEROMIA.</b>  | (pep-er-ROH-mee-uh)   |
| <b>—Mixed.</b>   | <b>PEPE-X. 30¢</b>    |
| Mixed Andean species; GH; pot plant.   |                       |
| <b>PEPPER Ornamental: Capsicum frutescens.</b>   |                       |
| These make showy pot plants with their attractive colored fruits; some are excellent Christmas plants. |                       |

### PERILLA.

(per-RILL-uh)

Labiatae. Half hardy annuals valued for their highly colored foliage and used in bedding for sub-tropical effect; thrives in light sandy soil; start seed indoors in March in a gentle heat.

### —frutescens crispa.

PERI-1. 25¢

Foliage in many colors much like in Coleus; 4 ft; TA.

### —lacinata.

PERI-1L. 25¢

Pretty lacinated foliage.

### —atropurpurius.

PERI-1A. 25¢

Dark purple, lacinated foliage.

### —Mixed.

PERI-IX. 20¢

### PERSEA.

(PURR-see-uh)

Small ornamental trees grown in warm sections of the country.

### —americana.

PERS-1. 30¢

Avocado. Tree; (IX).

### —Boronia.

PERS-3. 30¢

Red Bay. Hardy to (VII).

### PETROCALLIS.

(pet-roh-KAL-liss)

Cruciferae. Draba-like perennials for the rockery.

### PETUNIAS

There is hardly any other flower that will give as much bloom, with as little care, as will the Petunia; in hot summers their bloom is continuous. The chief pit-fall the amateur runs up against in growing Petunias is in the seed sowing; almost invariably they bury the tiny seeds too deeply. First the soil should be a good loamy texture with leaf mould mixture for the top; fern-pots make ideal seed pans as they can be watered by setting them in a little water; do not soak. In sowing the seed be careful not to sow too thickly; always press the seed into the

soil then a fine sprinkling of sand or milled sphagnum moss, not too much; cover pot with a pane of glass and be sure to wipe it off each morning to prevent the moisture on the under side from dripping on the seeds; about a 60 degree Far. temperature at night will do.

#### DWARF GIANTS OF CALIFORNIA:

Huge flowers on dwarf sturdy plants, especially bred for pot plants.  
 —Dark Shades. PET-1DS.. 50¢  
 —Light Shades. PET-1LS. 50¢  
 —Dark and Light Shades. PET-1DL. 50¢  
 1/64 Oz. \$3.50. Trade Packet: \$1.00.

#### GIANTS OF CALIFORNIA:

The largest flowers in the Petunias; heavily ruffled with a heavy, robust growth; excellent for both florist and garden use.  
 —Paramont Giants. PET-2P. 50¢  
 Free flowering; light and dark shades.  
 —Prince of Wurttemburg. PET-1W. 50¢  
 Dark purple with dark throat; very good.  
 —Princess of Wurttemburg. PET-1Z. 50¢  
 Light rose with dark throat.  
 —Salmon Queen. PET-2SQ. 50¢  
 —superbissima nana. PET-2SB. 50¢  
 Dwarf giant flowering; extra good for pot culture. 1/8 Oz. \$7.50.  
 —Special Blend. PET-2X. 50¢  
 Very choice; contains above also. 1/16 Oz. \$5.00.

#### GRANDIFLORA Large Single Fringed:

Strong, free flowering; 12-16" plants; some varieties spreading, others compact; many plain edged flowers of heavy substance and velvety texture; prime favorites of the florist trade.

—Fluffy Ruffles. PET-3F. 50¢  
 Mixture of bicolors; many not offered otherwise..  
 —Theodosia. PET-3T. 50¢  
 Fringed; rose, gold throat; very nice.  
 —Blend. PET-3X. 50¢  
 Made up of the very best varieties.

#### GRANDIFLORA Single Plain Edged:

These are like the above but all plain edged; especially good for boxes and bedding.

—Burgundy. PET-4B. 50¢  
 All-American selection; pretty red with a white throat.  
 —Dazzler. PET-4D. 50¢  
 A new brilliant scarlet; compact growth.  
 —Dwarf Elk's Pride. PET-4E. 50¢  
 Deep velvety purple; compact.  
 —Special Blend. PET-4X. 50¢  
 A choice blend of varieties. 1/16 Oz. \$4.50.

#### HYBRIDA:

Strong growing and free flowering; 20-24" plants bearing medium sized plain edged single flowers; excellent for boxes or beds.

—Flaming Velvet. PET-5F. 25¢  
 A brilliant velvety scarlet; reselected.  
 —Howard's Star. PET-5H. 25¢  
 Reddish purple white star; popular.  
 —Radiance. PET-5R. 25¢  
 Rich cerise-rose, salmon undertone, yellow throat; good.  
 —Rose King Improved. PET-5K. 25¢  
 Rich rose with white throat; much used for boxes.  
 —Rose Queen. PET-5Z. 25¢  
 —Topaz Rose. PET-5T. 25¢  
 Arich rose and gold tone.  
 —Violacea. PET-5V. 25¢

Deep violet; best of its color.

—White King. PET-5W. 25¢  
 The best pure white.  
 —fimbriata Triumph, Double Mixed. PET-5DX. 50¢  
 —Special Blend PET-5X. 25¢  
 A careful blend of varieties; not a mixture of field grown varieties. 1/16 Oz. \$1.00.

#### HYBRIDA NANA COMPACTA:

Much the same type of flower as above but the plants are compact growing, 12-16" with medium sized plain edge flowers; they are especially good for bedding or borders.

—Bright Eyes. PET-6B. 25¢  
 A soft pink with a showy white throat.  
 —Erfordia. PET-6E. 25¢  
 Brilliant rose with white throat.  
 —FIRE CHIEF. PET-6F. 25¢  
 Gold Medal Winner; brilliant scarlet-red.  
 —Glow. PET-6G. 25¢  
 Dazzling carmine-red.  
 —Lavender Queen. PET-6L. 25¢  
 A clear lavender without any markings.  
 —Miniature Rose Gem. PET-6R. 25¢  
 Pure rose on a small compact plant.  
 —Rose of Heaven. PET-6H. 25¢  
 Brilliant rose; dwarf; extra strain.  
 —Rosy Morn. PET-6M. 25¢  
 Rose with white throat; select strain.  
 —Salmon Supreme. PET-6SS. 25¢  
 Bright showy salmon color in compact dwarf plants. 1/8 Oz. \$1.50.

—Snow Queen. PET-6W.2 5¢  
 The best pure white.  
 —Topaz Queen. PET-6T. 25¢  
 Glowing carmine-rose overlaid with an orange-scarlet sheen.  
 —Twinkles. PET-6N. 25¢  
 Bright rose with white star; showy.  
 —Velvety Crimson. PET-6V. 25¢  
 A rich velvety crimson.  
 —Fancy Blotched & Striped. PET-6BS. 25¢  
 —Blend. PET-6X. 25¢  
 Made up mainly of above varieties.  
 Any above: 1/16 Oz. \$1.00.

#### BALCONY or PENDULA:

Strong growing 18-24" plants with a spreading or trailing habit; bearing many plain edged flowers larger than the ordinary bedding types. Excellent for both bedding and window or porch boxes.

—Bergundy. PET-7B. 25¢  
 Pretty purple-carmine with white throat.  
 —Black Prince. PET-7P. 25¢  
 A deep velvety red.  
 —Crimson. PET-7C. 25¢  
 —Elk's Pride. PET-7E. 25¢  
 The darkest velvety purple.  
 —Rose. PET-7Z. 25¢  
 —White. PET-7W. 25¢  
 —Special Blend. PET-7X. 25¢  
 Contains a blend of many choice varieties. Price: Any of Above, 1/8 Oz. \$1.00.

#### DOUBLE and RUFFLED:

These are mainly grows for pot culture or for boxes that can be protected from the storms; the pale green foliage plants are the best, when picking out this type of Petunia.

—Double Flowered Mixed. PET-8DX. 50¢  
 1/8 Oz. \$15.00.  
 —Giant Fimbriata, Mixed. PET-8F. 50¢  
 Petals heavily fringed and fimbriated; looks almost double. 1/8 Oz. \$15.00.

#### PETROCALLIS. (pet-roh-KAL-liss)

Cruciferae. Annuals and perennials; a few sub-shrubs of the Medit. region, much like Scabiosa.

|   |                       |   |
|---|-----------------------|---|
| — <i>parnassii.</i>   | <b>PTERC-3. 40¢</b>   | Showy, easy; vivid purple fls; whorl above whorl; 4 ft; HP. |
| Purplish pink composite-like headr, 1" across; 4 inches; HHP.   |                       |   |
| <b>PEUMUS.</b>  |                       |   |
| Monimiaceae. Evergreen deciduous trees from Chile.  |                       |   |
| — <i>Boldus.</i>  | <b>PEUM-1. 40¢</b>    |   |
| Baldo. Valuable tree for South; (IX).   |                       |   |
| <b>PHACELIA.</b>  | (fas-SEEL-ee-uh)      |   |
| Hydrophyllaceae. Hardy annuals and perennials with flowers in lavender to blue, in clusters or racemes; very pretty in mass plantings. Start early indoors or plant later in the open; the perennials can be started as late as August. |                       |   |
| — <i>campanularia.</i>  | <b>PHAC-2. 25¢</b>    |   |
| Brilliant deep blue fls; dry soil; sun; 9"; RG; HHA.  |                       |   |
| — <i>leucophylla.</i>   | <b>PHAC-7. 25¢</b>    |   |
| Spikes of white or pink fls; showy in RG; 1 ft; HP.   |                       |   |
| — <i>Musgrave.</i>  | <b>PHAC-11. 20¢</b>   |   |
| — <i>tanacetifolia.</i>   | <b>PHAC-15. 25¢</b>   |   |
| Bee Food; blue fls, especially grown for bees; sow in April; HA. Oz. 40¢; lb. \$2.50.   |                       |   |
| — <i>Whitlava.</i>  | <b>PHAC-17. 25¢</b>   |   |
| California Bluebells. Blue, bell-shaped fls; 18"; HA.   |                       |   |
| — <i>Phacella Blend.</i>  | <b>PHAC-X. 20¢</b>    |   |
| <b>PHAEOMERIA.</b>  |                       |   |
| — <i>magnifica.</i>   | <b>PHAE-5. 40¢</b>    |   |
| Collected in Brazil.  |                       |   |
| <b>PHASEOLUS.</b>   | (fas-SEE-ol-us)       |   |
| Leguminosae. Bean. Tender twining annuals mainly grown for their edible pods.   |                       |   |
| — <i>Caracalla.</i>   | <b>PHAS-3. 40¢</b>    |   |
| Snail Flower, Corkscrew Fl. Twining; 20 inches; light purple fls; fragrant; (X).  |                       |   |
| — <i>Mungo.</i>   | <b>PHAS-15. 30¢</b>   |   |
| Black Gram. Yellow fls; 3 ft; TA.   |                       |   |
| <b>PHELLODENDRON.</b>   | (fel-lon-DEN-dron)    |   |
| Cork Tree. Rutaceae. An East Asian tree hardy in the North; flowers greenish, small, in terminal panicles or corymbs, followed by berry-like fruits ornamental.   |                       |   |
| — <i>amurense.</i>  | <b>PHEL-1. 40¢</b>    |   |
| Tree native of China; to 50 ft. Oz. 80¢.  |                       |   |
| <b>PHILADELPHUS.</b>  | (fil-ad-DELF-us)      |   |
| — <i>grandiflorus.</i>  | <b>PHIL-20. 25¢</b>   |   |
| Mock Orange. Hardy shrub with Orange like fls; (IV); seed saved from named varieties; fall sown seed germinates freely in the spring.   |                       |   |
| <b>PHILOGACANTHUS.</b>  | (flo-gah-KAN-thus)    |   |
| Acanthaceae. Somewhat shrubby plants with spikes of attractive flowers; related to Acanthus. Best grown in the greenhouse in a warm damp atmosphere and in rich soil.   |                       |   |
| — <i>tryrsiflorus.</i>  | <b>PHLK-1. 25¢</b>    |   |
| Moderate sized shrub.   |                       |   |
| <b>PHILYREA.</b>  | (fil-LIHR-ee-uh)      |   |
| — <i>angustifolia.</i>  | <b>PHLL-1. 30¢</b>    |   |
| Ornamental; 15 ft; (VII). Oz. 60¢.  |                       |   |
| <b>PHLOMIS.</b>   | (FLOH-miss)           |   |
| Labiatae. Perennial plants suitable for the border and wild garden. They are rather coarse in growth and should be in the background planting.  |                       |   |
| — <i>Purple.</i>  | <b>PHLO-1. 25¢</b>    |   |
| Showy, easy; vivid purple fls; whorl above whorl; 4 ft; HP.   | <b>PHLO-5. 25¢</b>    |   |
| Jerusalem Sage. Yellow fls in whorls; 4 ft; (VII); HSh.   | <b>PHLO-13. 25¢</b>   |   |
| — <i>tuberosa.</i>  | Purple fls; 6 ft; HP. | <b>PHLO-X. 20¢</b>  |
| — <i>Mixed.</i>   |                       |   |
| <b>PHLOX</b>  |                       |   |
| Polemoniaceae. Annuals and perennials, in many forms. They are easily grown from seed.  |                       |   |
| — <i>decussata:</i> see <b>P. paniculata.</b>   |                       |   |
| <b>DRUMMONDII grandiflora:</b>  |                       |   |
| Large flowers on 2-3 ft. plants; robust.  |                       |   |
| — <i>Isabellina.</i>  | <b>PHLX-1B. 20¢</b>   |   |
| Buff-yellow flowers.  |                       |   |
| — <i>Leopoldii.</i>   | <b>PHLX-1L. 20¢</b>   |   |
| Rose-pink with white eye.   |                       |   |
| — <i>Mixed.</i>   | <b>PHLX-1X. 20¢</b>   |   |
| <b>DRUMMONDII nana compacta:</b>  |                       |   |
| Dwarf compact plants extra choice for bedding.  |                       |   |
| — <i>Mixed.</i>   | <b>PHLX-2X. 20¢</b>   |   |
| — <i>Globe Mixed.</i>   | <b>PHLX-2GX. 25¢</b>  |   |
| Uniform very compact ball-shaped habit.   |                       |   |
| <b>DRUMMONDII BEAUTY:</b>   |                       |   |
| An extra dwarf strain of compact and uniform habit; large bright flowers.   |                       |   |
| — <i>Beauty Mixed.</i>  | <b>PHLX-3X. 25¢</b>   |   |
| — <i>paniculata.</i>  | <b>PHLX-37. 25¢</b>   |   |
| Perennial Phlox. In many colors; fls 1" across; 4 ft; HP.   |                       |   |
| <b>PHOENIX.</b>   | (FEE-nix)             |   |
| Date Palm. Palmaceae. They are grown in the North as tub plants but are hardy in the South. Seed should be ordered early with delivery usually in late fall when seeds are fresh; C-45.   |                       |   |
| — <i>canariensis.</i>   | <b>PHOE-2. 40¢</b>    |   |
| (Jubaea tenuis) Palms to 50 ft; very striking and one of the hardest.   |                       |   |
| — <i>dactylifera.</i>   | <b>PHOE-5. 50¢</b>    |   |
| Date Palm. (IX); ornamental. Oz. 75¢.   |                       |   |
| — <i>hybrids.</i>   | <b>PHOE-10. 50¢</b>   |   |
| 100 seeds \$2.50; 1,000, \$3.50.  |                       |   |
| — <i>reclinata.</i>   | <b>PHOE-12. 75¢</b>   |   |
| Best known of the African Palms. 100 seeds \$3.00; 1,000, \$9.00.   |                       |   |
| — <i>sylvestris.</i>  | <b>PHOE-15. 75¢</b>   |   |
| Wild Date Palm. Ornamental; (X). 100 seeds \$3.00; 1,000, \$9.00.   |                       |   |
| <b>PHOENOCOMA.</b>  |                       |   |
| South African shrubs.   |                       |   |
| — <i>prolifera.</i>   | <b>PHOC-10. 40¢</b>   |   |
| Pink everlasting flowers; fine; 2 ft; TSh.  |                       |   |
| <b>PHORMIUM.</b>  | (FORM-ee-um)          |   |
| Liliaceae. New Zealand natives, hardy in warm sections; sow seed in February either out doors or in pots in rich sol.   |                       |   |
| — <i>Colensoi.</i>  | <b>PHOR-2. 25¢</b>    |   |
| Mt. Flax. Excellent for an exposed bank or large rockery; 3-4 ft; (V); N. Z.  |                       |   |
| — <i>tenax.</i>   | <b>PHOR-4. 50¢</b>    |   |
| Well known N. Z. plant; unrivalled as a graceful drooping specimen plant; its fiber is also of commercial value; fls dull red on tall spikes; 8 ft; (V); N. Z.  |                       |   |
| — <i>rubra.</i>   | <b>PHOR-4R. 50¢</b>   |   |
| Colored leaves of rich coppery bronze to brownish purple; most distinctive; 4 ft; (VI); N. Z.   |                       |   |

**—tricolor.**

Handsome N. Z. plant; nice for water-side or large tub; considered hardy in N. Z.

**PHOTINIA.**

(foh-TIN-ee-uh)

Rosaceae. Trees and shrubs native of Asia. White flowers in panicles, followed by small berry-like fruits.

**—glabra.**

Evergreen shrub to 10 ft; (X); fl-heads 4" across; Japan. Oz. 80¢.

**PHYGELIUS.**

(fyeh-JEEL-ee-us)

**—capensis.**

Cape Fuchsia. GH; 3 ft; purple-scarlet fls, 2" long.

**PHYLLODOCE.**

(fil-LOD-oh-see)

**—empetriflorum.**

PHYL-6. 50¢

Rose-purple fls; 6"; moist peat; HP.

**PHYSALIS.**

(FYE-sal-iss)

Husk Tomato, Ground Cherry. Easily grown; start indoors or plant direct to soil, treating them as for Tomatoes. Most of those offered are very ornamental.

**—Alkekengi.**

(P. Franchetii) Chinese Lantern Plant. Ornamental seed pods for dried decorations; HHP grown as HA. Oz. \$1.00.

**—pruinosa.**

Edible Ground Cherry. Wisconsin native.

**PHYSIANTHUS albens:** see Araujia serio-fera.

**PHYSOCARPUS.**

(fyeh-soh-KARP-us)

Ninebark. Rosaceae. Deciduous Spirea-like shrubs; white or pinkish flowers in umbel-like clusters, followed by inflated pods; hardy in the North.

**—opulifolius.**

(Spirea opulifolia) 10 ft; fl-heads 2" ac; (IV).

**PHYSOSTEGIA.**

(fyeh-sos-TEEJ-ee-uh)

False Dragon-head... Labiateae. Hardy perennials thriving best in a cool moist place with some shade. Beautiful in the border or for cutting.

**—virginiana.**

Flowers in pretty spikes; purplish red to rose-pink; 4 ft; HP.

**—Rose-lilac.**

Variety in one color.

**PHYTEUMA.**

(fyeh-TEW-muh)

**—canescens.**

Good rockery plant for late summer display; lavender-blue fls; 6 inches; HP.

**—Charniellii.**

Fluffy blue heads on 5" stems; 1 ft; HP.

**—comosum.**

Best of the Phyteumas. Difficult; 6"; dark purple fls; HP. (20 seeds).

**—Scheuchzeri.**

Easy and showy; bright blue in dense heads; 18"; HP.

**—specatum.**

White fls with greenish tips; dense spikes; 4 ft; HP.

**—Mixed.**

PHYT-X. 25¢

**PHYTOLACCA.**

(fyeh-toh-LAK-uh)

Phytolacaceae. Pokeberry. Easily grown plants, shrubs or trees; fls in terminal racemes; fruits a fleshy berry; ornamental.

**—americana.**

Plant to 12 ft; fls bisexual, white or pur-

PHYO-1. 25¢

**PILOCEREUS:** see in list under **Cacti.**

## PINUS

- Pine. Pinaceae. Evergreen trees, some valuable timber trees and some ornamental.
- albicaulis*. PINU-1. 30¢
  - White Bark Pine. Very hardy; Montana. Oz. 50¢; lb. \$4.50.
  - australis*. PINU-5. 25¢
  - Long-leaf Pine. Va-Fla. Oz. 50¢; lb. \$5.00.
  - canariensis*. PINU-11. 50¢
  - Sow seed in 3 ft. beds; (VII). Oz. \$1.25.
  - caribaea*. PINU-12. 40¢
  - Slash Pine. (IX). Oz. \$2.20.
  - Cembra*. PINU-13. 30¢
  - Swiss Stone Pine. (IV). Oz. 60¢.
  - edulis*. PINU-14E. 40¢
  - Nut Pine. (VI). Oz. \$1.00.
  - contorta*. PINU-16. 40¢
  - Shore Pine. (I). Oz. \$2.00.
  - latifolia*. PINU-16L. 50¢
  - (Murrayana) Lodgepole Pine. (IV); lvs longer and lighter green. Oz. \$2.20.
  - cembroides monophylla*. PINU-17M. 25¢
  - Mexican Stone Pine. Oz. 50¢.
  - Coulteri*. PINU-18. 40¢
  - (IV). Oz. \$1.00.
  - densiflora*. PINU-19. 30¢
  - Japanese Red Pine. Hardy in N. Oz. 50¢.
  - flexilis*. PINU-21. 30¢
  - Limber Pine. Montana. Oz. 60¢; lb. \$4.00.
  - halepensis*. PINU-25. 25¢
  - Alleppo Pine. (VIII). Oz. 60¢.
  - Khasya*. PINU-30. 40¢
  - Oz. \$1.10; lb. \$9.00.
  - koraiensis*. PINU-31. 50¢
  - Korean Pine. Long dark green lvs in clusters; hardy in N but slow growing.
  - Lambertiana*. PINU-32. 40¢
  - Sugar Pine. (VIII). Oz. 1.25.
  - Merkusii*. PINU-37. 30¢
  - Tenasserim Pine. (X). Oz. \$1.00.
  - Montezumae*. PINU-41. 40¢
  - (X). Oz. \$1.50.
  - montana mughus*: see *Mugo*.
  - monticola*. PINU-43. 40¢
  - Western White Pine. (IV). Oz. \$1.50.
  - Mugo Mughus*. PINU-44. 30¢
  - Prostrate shrub; ornamental Oz. 80¢; lb. \$7.50.
  - rosirata*. PINU-44R. 35¢
  - Tree to 80 ft. Oz. 90¢.
  - muricata*. PINU-53. 25¢
  - Bishop Pine. Calif. Oz. 70¢.
  - nepalensis*. PINU-49. 40¢
  - (excelsa) Himalayan White Pine. Oz. 60¢
  - nigra*. PINU-50. 35¢
  - Austrian Pine. (IV). Oz. 80¢; lb. \$5.00.
  - palustris*: see *australis*, the correct class. PINU-54. 50¢
  - parviflora*. Japanese White Pine. Hardy in N. Oz. 75¢.
  - patula*. PINU-55. 40¢
  - Pinaster*. PINU-58. 25¢
  - Cluster Pine. (VIII). Oz. 60¢.
  - Hamiltonii*. PINU-58H. 35¢
  - Shorter lvs; larger cones. Oz. 60¢.
  - Pinea*. PINU-62. 30¢
  - Italian Stone Pine. (IX). Oz. 75¢.
  - ponderosa*. PINU-63. 35¢
  - Western Yellow Pine. (IV). Oz. \$1.00.
  - scopulorum*. PINU-63S. 35¢
  - Rocky Mt. Yellow Pine. Oz. 60¢.
  - pumila*. PINU-64. 50¢
  - Dwarf Stone Pine. Shrub with prostrate branches; N. Asia. Oz. \$1.00.
  - radiata*. PINU-68. 35¢
  - (insignis) Monterey Pine; (VII). Oz. 75¢
  - resinosa*. PINU-69. 40¢
  - Red Pine. Good ornamental species. Oz. \$1.70; lb. \$18.00.
  - rigida*. PINU-71. 35¢

Pitch Pine. (VI). Oz. \$1.00.

- risinosa*. PINU-70. 40¢
- Red Pine. Lake States Seed. Oz. \$2.00.
- Sabiniana*. PINU-73. 35¢
- Digger Pine. (IX). Oz. 60¢.
- Strobus*. PINU-75. 35¢
- White Pine. Wisc. seed; (III). Oz. 50¢.
- sylvestris*. PINU-76. 35¢
- Scotch Pine. Oz. 60¢.
- regens*. PINU-76R. 40¢
- Very red bark; Poland. Oz. 90¢.
- Taeda*. PINU-78. 50¢
- Loblolly Pine. (III). Oz. \$2.00.
- Torreya*. PINU-97. 30¢
- Torrey Pine. S. Calif. Oz. \$1.25.
- Thunbergii*. PINU-82. 50¢
- Japanese Black Pine. Japan; hardy in (IV). Lb. \$3.00.

**NOTE:** Prices by the pound are not generally given due to labor changes but as a rule they would be about 10 times the ounce price. Those interested in quantities should make inquiry early in the summer for best prices and deliveries.

## PIQUERIA.

(pik-WEER-ee-uh)

Compositae. The most popular species is the Stevia, grown by the florist.

### —*trinervia*.

PIQU-4. 50¢

(Stevia serrata) White fls in panicled corymbs; Mex to C. Amer; much grown by florist for cutting. 1/4 Oz. \$1.50.

## PISTACIA.

(pis-TAY-shee-uh)

Anacardiaceae. Warm climate trees and shrubs many of which are grown for their nuts, oils and gums.

### —*Lentiscus*.

PIST-3. 30¢

Evergreen tree; 15 ft; (VI). Oz. 50¢.

### —*Terebinthus*.

PIST-7. 30¢

Small deciduous tree; (VI). Oz. 50¢

### —*vera*.

PIST-10. 35¢

Pistachio. Deciduous tree of Medit. regions, grown there for its edible nut, tasting much like a peanut.

### —*Mixed*.

PIST-X. 25¢

## PITHECELLOBIUM.

(pith-es-sel-LOH-bee-um)

Leguminosae. Warm region trees and shrubs grown in the South for ornament or for their lumber.

### —*dulce*.

PITB-1. 50¢

Ornamental tree to 50 ft; (X). 100 seeds \$2.50.

## PITTOSPORUM

Pittosporaceae Sub-tropical evergreen trees and shrubs having very ornamental foliage, fruit and flowers; one a fine GH subject.

### —*Buckananii*.

PITT-2. 40¢

Glossy dark green foliage making it a handsome shrub or small tree; 15 ft; (V); N. Z.

### —*crassifolium*.

PITT-5. 40¢

Hardy compact shrub with chocolate-brown scented fls; fine on coast; ornamental shrub; 20 ft; (VI); N. Z.

### —*eugeniooides*.

PITT-8. 30¢

Tarata. The lemon scented Matipo, round-headed tree, 12 ft high with highly scented, creamy white fls; leaves when crushed have a strong lemon scent; N. Z.

### —*Ralphii*.

PITT-18. 40¢

Similiar to P. crassifolium with larger leaves, covered beneath with thick white down; fine coastal tree; 10 ft; (VII); N. Z.

### —*rhombifolium*.

PITT-20. 40¢

Queensland tree; 80 ft; (X); orange-red flowers; ornamental.

### —*tenuifolium*.

PITT-21. 30¢

Tawhiwhi. Small tree; bark and fls

almost black; pale green foliage, sometimes reddish; splendid for hedges; 10 ft; (V).

**—argenteum.**

PITT-21A. 40¢ More compact; finely cut silvery leaves; very effective; 6-8 ft; (V); N. Z.

**—Tobira.**

PITT-23. 35¢ Shrub; 15 ft; white fls; (IX). Oz. 90¢.

**—undulatum.**

PITT-25. 35¢ Victoria Box. Tree to 40 ft; (X). Oz. 90¢.

**—Mixed..**

PITT-X. 25¢

**PLANTAGO.**

(plan-TAY-goh) Plantaginaceae. Plantain.

**—lanceolata.**

PLAN-4. 25¢ Rib-Grass. HP.

**PLATANUS.**

(PLAT-an-us) Plane-tree. Platanaceae. Thrives in rich moist soils; some are fine street trees.

**—acerifolia.**

PLAT-1. 30¢ London Plane Tree. Oz. 50¢.

**PLATYCODON.**

(plat-ik-KOH-don) Balloon Flower. Campanulaceae. One showy perennial, thriving in loamy soil, in full sun; blooms second year from seed.

**—grandiflorum, Mixed.**

PLTY-1X. 25¢ White and blue fls; very beautiful; 2½ ft; HP; C-23.

**—Double.**

PLTY-1D. 25¢ Double blue star fls; 2 ft; HP.

**—roseum.**

PLTY-1R. 30¢ New and lovely variety; beautiful satin-pink fls freely produced; 15"; HP.

**—Mariesii.**

PLTY-1M. 30¢ More dwarf form; pretty blue fls; HP.

**PLECTRITIS.**

**—congesta.** PLEC-1. 30¢ (Valerianella) Rose fls; 2 ft; (VI); HA.

**PLEIOSPILOS:** see in list under **Cacti**.

**PLEIOTAXIS.**

**—species.** PLEX-1. 35¢ Very decorative; RG; bright crimson fls; (IX).

**PLUMBAGO.**

(plum-BAY-goh) Leadwort. Plumbaginaceae. The flowers are in terminal spikes; not hardy in the North.

**—capensis.**

PLUM-1. 40¢ Climber; good in GH; (X); C-22. 100 seeds \$3.00.

**—zaylanica.**

PLUM-5. 30¢ Rare South Rhodesian shrub; pure white fls; drought resistant.

**PLUMERIA.**

(ploo-MEER-ee-uh) Frangipani. Apocynaceae. Tropical Amer. trees and shrubs; flowers appearing before leaves; very fragrant.

**—rubra v. acutifolia.**

PLUR-6A. 35¢ (P. acuminata) 15 ft; large leaves, 4x16"; white with yellow centers, flushed rose; Venezuela.

**POA.**

(POH-uh) Gramineae. Annual and perennial grasses mainly used in lawn.

**—violacea.**

POA-11. 25¢ A fine leaf bunch grass that would be useful as edging material; HP; 6".

**PODACHAENIUM.**

Compositae. C. Amer. and Mex. shrubs or small trees; flowers in small heads of white ray-fls, yellow disk-fls; (IX).

**—eminens.**

PODA-3. 35¢ Fl-heads 1" across; to 25 ft; Mex; (X).

**PODALYRIA.**

Leguminosae. South African shrubs; ornamental; (IX).

**—sericea.**

PODY-8. 35¢

**POINCIANA.**

(poyn-see-AH-nuh) Leguminosae. Beautiful trees and shrubs native of warm regions; (IX).

**—Gillesii.**

POIN-2. 30¢ Shrub to 20 ft; light yellow fls; popular in the South; (IX). 100 seeds \$2.00.

**—pulcherrima.**

POIN-4. 40¢ Barados Pride, Dwarf Poinciana. Orange fls; shrub to 10 ft; requires rich sandy soil; soak seeds 24 hours before planting; (X). 100 seeds \$2.00.

**—flava.**

POIN-4F. 40¢ Has yellow flowers.

**—regia:** see *Delonix regia*.

**POINSETTIA:** see *Euphorbia pulcherrima*.

**POLEMONIUM.**

(pol-em-MOH-nee-um) Polemoniaceae. Perennials grown in the border; easily grown; rich loam; best from seed sown in the fall. Flowers are blue, purplish white or yellowish, often nodding, in terminal corymbs.

**—caeruleum.**

POLE-4. 25¢ Fern-like lvs; gorgeous sky-blue fls; 3 ft; HP.

**—carneum.**

POLE-6. 25¢ Rich pink trumpets; RG; partial shade; 1½ ft; HP.

**—Haydenii.**

POLE-16. 25¢ Blue or white fls; May-June; RG; 1 ft; HP.

**—occidentale.**

POLE-21. 25¢ Native bog species; blue or violet fls; 1½ ft; HP.

**—pulcherrimum.**

POLE-24. 25¢ Easy and pretty; pale blue fls; fine for RG; 1 ft; HP.

**—Richardsonii.**

POLE-27. 25¢ Blue or purplish fls, ½" across; 9"; HP.

**—Species Mixed.**

POLE-X. 25¢

**POLYGALA.**

(poh-LIG-uh-luh) Milkwort. Polygalaceae. Most are tender annuals and perennials and grown under glass in the North; light soil and partial shade.

**—apopetala.**

POLG-4. 25¢ Large pink fls, ½" across; 10 ft; sh; (VII).

**—myrtifolia v. gr. fl.**

POLG-14. 40¢ Rich purple fls; 8 ft; GH; (X). 100 seeds \$9.00.

**POLYGONATUM.**

(pol-ig-on-NAY-tum) Solomon's Seal. Liliaceae. Creeping roots; thrives in shady places and in deep rich soil; good for the wild garden.

**—commutatum.**

POLO-4. 25¢ Great Solomon's Seal. 8 ft; fls ¾" long; N. Amer; HP; (IV).

**POLYGONUM.**

(pol-LIG-on-um) Fleece-flower. Polygonaceae. A large genus of annuals and perennial grown in the border or wild garden.

**—amplexicaule.**

POLY-4. 25¢ Pretty; spikes of small rose-pink or white fls; 3-4 ft; HP.

**—macrophyllum.**

POLY-12. 25¢

**—mollis.**

POLY-13. 25¢ Shrubby; panicles of white fls; will grow

in moist places; 3 ft; HB.

—*orientale v. Rubin.*

Interesting cut-flower or border plant; pretty red fls.; warm sunny spot; 1½ ft; HHA; C-8.

—*Species Mixed.*

Only the above or other garden kinds.

### POPPY

*Papaver*. ((pap-PAY-ver) Papaveraceae. Common name for the genus *Papaver*; these beautiful flowers come in both annual and perennial species and in a wide range of showy colors. They are easily grown but the seed should be either sown in the fall or very early in the spring; they do not take to transplanting.

—*alpinum.*

Alpine Poppy. Nearly stemless; white or yellow fls; 10"; HP; C-24; LK.

—*bracteatum.*

Blood-red fls; hairy stems; 3 ft; HP.

—*cardinale fl. pl.*

Cardinal Poppy. Double red fls; HA.

—*glaucum.*

Tulip Poppy. Deep scarlet fls, 4" ac; 2 ft; Persia; HA.

—*Marei.*

Hardy Poppy from Atlas Mts; anthers black; rose or white fls.

**P. ORIENTALE:** Hardy perennials with huge flowers in varied colors; seed does not come entirely true to variety but the resulting plants are extra good; seedlings, however, are more robust than the vegetatively increased plants; C-23.

—*Beauty of Livermore.* POPY-30L. 25¢

Reselected huge crimson flowers.

—*Brilliant.*

Bright fiery red.

—*Princess Victoria Louise.* POPY-30VL. 25¢

A beautiful salmon shade.

—*Queen Alexandra.*

Salmon with large crimson blotch.

—*Rembrandt.*

Mahogany-red flowers.

—*Victoria.*

Beautiful salmon-pink with black blotch.

—*Blend of Above.*

POPY-30X. 25¢

**PRICE:** Any above varieties, Oz. \$1.75.

**P. NUDICAULE:** Iceland Poppy. Perennials to 1 ft; blooming first year from seed; they rarely last over 3 years but reseed freely; April-June; charming in mass plantings; try them in fields or waste places; they are excellent border flowers; C-24.

—*amurense.*

Showy butter-cup yellow fls; 2 ft; HP.

—*Coonara Pink.*

Gorgeous rose tints, soft pink to deep rose; 15"; HP.

—*El Monte.*

A new beautiful deep tangerine-orange, fringed petals; HP.

—*Gartford Giants.*

Crinkly petals; ideal cut-flower if cut in the bud; 2-3 ft.

—*Gibson's Giants.*

Lovely orange; huge blooms.

—*Kelmscott Strain.*

Huge blooms, 3" across; very pretty; 3 ft.

—*Sunbeam.*

Improved strain; bright yellow.

—*Sanford's Giants.*

Immense flowers on stiff stems; fine color range.

—*The Emperor.*

Giant orange variety.

—*The Empress.*

POPY-28A. 25¢

POPY-28C. 25¢

POPY-28E. 25¢

POPY-28F. 25¢

POPY-28G. 25¢

POPY-28K. 25¢

POPY-28B. 25¢

POPY-28S. 25¢

POPY-28TM. 25¢

POPY-28M. 25¢

Huge salmon-rose and pinks blooms.

—*White.*

Showy satiny white; distinctive.

—*Mixed.*

**PRICE:** Any above; Oz. \$1.50.; lb. \$14.00.

**RHOEAS:** Shirley Poppy. They have been very highly improved and come in many bright colors; petals crinkled; sow late in the fall in the South; HA to 3 ft.

—*American Legion.*

Dazzling orange-scarlet with black spot.

—*All Double Fantasy.*

Double blooms in bright colors.

—*Begonia Flowered.*

Large double fls in bright colors.

—*Carnation Flowered.*

Mixed colors in Carnation-type blooms.

—*Cavalcade.*

Double Begonia-type blooms in a rich orange-scarlet; huge; 2 ft.

—*Dazzler.*

Double orange-scarlet; beautiful.

—*Gaiety.*

White with a pink edge; very showy and dainty.

—*Orange King.*

A beautiful deep orange.

—*Rev. Wilk's Strain.*

Single flowers in a beautiful color range.

—*Sweet Briar.*

Double Begonia flowered; in a pretty wild rose pink.

—*Shirley Blend.*

POPY-38X. 20¢

—*Double Shirley Blend.*

POPY-38DX. 20¢

### OTHER POPPY SPECIES:

—*rupifragum.* POPY-39. 25¢

Pale red flowers 3" across; 1½ ft; HP; Spain; (VI).

### PORTULACA

Moss Rose. Portulacaceae. (port-yew-LAY-kuh) Perennials that are usually treated as hardy annuals in the North; low growing fleshy stemmed plants having brilliant showy flowers in many bright colors; sun loving doing well in the hottest spots where other flowers would soon perish; sow in April where they are to grow; pretty in beds.

—*grandiflorum fl. pl.*

Double flowered in rose, red, yellow, and white. ¼ Oz. 75¢

—*Single Jewels.*

The best in single flowers; bright and glistening; all colors. ¼ Oz. 60¢

—*parana.*

A South Rhodesian species; (IX).

—*Portulaca Blend.*

PORT-X. 25¢

PORT-1DX. 25¢

Double flowered in rose, red, yellow, and white. ¼ Oz. 75¢

PORT-1JX. 25¢

The best in single flowers; bright and glistening; all colors. ¼ Oz. 60¢

PORT-6. 25¢

PORT-X. 25¢

PORT-12. 25¢

Sprays of showy yellow fls, 1" across; RG; 1 ft; HP.

POTL-30. 25¢

Masses of red flowers in summer; 1 in; HP.

POTL-31. 25¢

Species from India.

POTL-49. 25¢

Golden yellow fls, 1" across; 8"; HP.

POTL-52. 25¢

One of the best shrubs for the RG; yellow rose-like fls; 3 ft; HP.

POTL-53. 25¢

Silvery leaves; trailer; salmon-rose fls;

POPY-28M. 25¢



PORTULACA — Double Moss Rose

|  |                |  |  |
|--|----------------|--|--|
| 15"; HP.   |                |  |  |
| —Gibsonii.   | POTL-56. 25¢   |  |  |
| Large brilliant scarlet flowers.                           |                |  |  |
| —Halacsyana.   | POTL-65. 25¢   |  |  |
| —Hybrids.  | POTL-70F. 25¢  |  |  |
| Double French hybrids.                                     |                |  |  |
| —macrantha: see Hebe macrantha.                            |                |  |  |
| —Miss. Willmott.   | POTL-70W. 25¢  |  |  |
| Bright carmine flowers.                                    |                |  |  |
| —nepalensis hybrids.                                       | POTL-84. 25¢   |  |  |
| Rose and rosy crimson flowers; 2 ft; HP.                   |                |  |  |
| —nitida.   | POTL-86. 30¢   |  |  |
| Rose flowers 1" across; mat-forming; 1 inch; RG; Alps; HP. |                |  |  |
| —recta v. Warrensii.                                       | POTL-106W. 40¢ |  |  |
| Large bright yellow flowers.                               |                |  |  |
| —tonmentillo-formosa.                                      | POTL-127. 35¢  |  |  |
| (Tonguei) Prostrate; yellow fls; HP.                       |                |  |  |
| —White Beauty.   | POTL-70WB. 25¢ |  |  |
| —Potennilla Mixed.   | POTL-X. 25¢    |  |  |
| —Herbkii.  | POTL-106H. 30¢ |  |  |
| Flowers in many-flowered clusters, 1" across; 2½ ft; HP.   |                |  |  |

### PRIMULA

Primroses. Primulaceae. (PRIM-u-lah). A very large genus, mostly low growing with flower parts always in 5s. Varied in types, uses and character; all require a deep rich moist soil with coolness and some shade. Sow seeds either in late fall or early spring.

|   |                   |  |  |
|---|-------------------|--|--|
| —aurantiaca.  | PRIM-9. 50¢       |  |  |
| Deep ruddy orange; 10"; China; HP.                        |                   |  |  |
| —Hybrids.   | PRIM-9H. 40¢      |  |  |
| —Auricula.  | PRIM-10. 30¢      |  |  |
| Many colors, 1" ac., in umbels; HP; LF.                   |                   |  |  |
| —Monarch Strain.  | PRIM-10MX. 50¢    |  |  |
| A very choice strain.                                     |                   |  |  |
| —Bulleyana.   | PRIM-15. 40¢      |  |  |
| Deep yellow fls, 1" ac in whorls; 2½ ft; HP; LF.          |                   |  |  |
| —burmanica.   | PRIM-16. 40¢      |  |  |
| Reddish purple fls with orange eye, ½" across; 2 ft; TP.  |                   |  |  |
| —candelabara Hybrids.                                     | PRIM-18. 40¢      |  |  |
| Deep rich colors; purple, crimson to yellow; HP.          |                   |  |  |
| —choinantha.  | PRIM-23. 50¢      |  |  |
| White fragrant fls; 18"; China; HP.                       |                   |  |  |
| —cashmiriana: see P. denticulata.                         |                   |  |  |
| —chungensis.  | PRIM-25. 50¢      |  |  |
| Yellow fls in terminal umbels; China; HP.                 |                   |  |  |
| —Cockburniana.  | PRIM-28. 40¢      |  |  |
| Orange fls, 1" ac; umbels; 1½ ft; HP.                     |                   |  |  |
| —denticulata.   | PRIM-40. 35¢      |  |  |
| Dense heads of violet fls; early spring;                  |                   |  |  |
| —cashmiriana.   | PRIM-40C. 40¢     |  |  |
| More farnose, rich purple fls with yellow centers; HP.    |                   |  |  |
| —Rubin.   | PRIM-40R. 40¢     |  |  |
| A deep ruby colored variety.                              |                   |  |  |
| —elatior v. aurantiaca.                                   | PRIM-45A. 40¢     |  |  |
| Orange-red fls; 8 inches; HP.                             |                   |  |  |
| —elongata.  | PRIM-47. 50¢      |  |  |
| Golden yellow fls, 1" ac; 1 ft; Sikkim.                   |                   |  |  |
| —Elwesiana.   | PRIM-48. 40¢      |  |  |
| Violet fls; 6"; Himalayas; HP.                            |                   |  |  |
| —floribunda.  | PRIM-54. 40¢      |  |  |
| Butter-cup P. Yellow fls, ½" ac; good GH; 8"; Himalayas.  |                   |  |  |
| —Florindae.   | PRIM-56. 40¢      |  |  |
| Sulphur-yellow; drooping, in terminal umbels; 4 ft; HP.   |                   |  |  |
| —frondosa.  | PRIM-60. 50¢      |  |  |
| Rosy lilac fls in many flowered umbels; Balkans; HP.      |                   |  |  |
| —hirsuta.   | PRIM-70. 50¢      |  |  |
| Rose, lilac, white fls, 1" ac, umbels; 4".                |                   |  |  |
| —glaucescens v. calycina.                                 | PRIM-63C. 40¢     |  |  |
| More robust, larger fls; rose to purple; 6"               |                   |  |  |
| Purple, rose, white; in umbels; 1 ft; HP.                 |                   |  |  |
| —E'tal Hybrids.   | PRIM-85E. 40¢     |  |  |
| Choice selection.   |                   |  |  |
| —Postford White.  | PRIM-85W. 50¢     |  |  |
| By far the best white in the species.                     |                   |  |  |
| —Mixed.   | PRIM-85X. 30¢     |  |  |
| —kewensis.  | PRIM-89. 40¢      |  |  |
| Bright yellow fragrant fls; umbels; grow under glass; TP. |                   |  |  |
| —Kingii.  | PRIM-90. 40¢      |  |  |
| Scarlet fls in umbels; 8"; HP.                            |                   |  |  |
| —eucophyl'a.  | PRIM-96. 40¢      |  |  |
| Very similar to P. elatior; Carpathian Mts; HP.           |                   |  |  |
| <b>MALACOIDES:</b> Greenhouse Primulas.                   |                   |  |  |
| —Congratulations.   | PRIM-100C. \$1.00 |  |  |
| A new brilliant salmon-pink; compact growth.              |                   |  |  |
| —B'iliancy Improved.                                      | PRIM-11B. \$1.00  |  |  |
| Lilac changing to purple; large flower; a sturdy grower.  |                   |  |  |
| —Rose Bouquet.  | PRIM-100R. \$1.00 |  |  |
| Brilliant carmine-rose; compact grower.                   |                   |  |  |
| —Thurgovia Reselected.                                    | PRIM-11T. \$1.00  |  |  |
| Brilliant carmine-rose; very floriferous; base branching. |                   |  |  |
| —White Giant.   | PRIM-100W. \$1.00 |  |  |
| Large flowered pure white; tall robust plant.             |                   |  |  |
| —Mixed.   | PRIM-100X. 75¢    |  |  |
| A hand made blend for greenhouse pot                      |                   |  |  |

plants; not a cheap mixture. 1/16 Oz. \$11.00.

—*marginata*. PRIM-101. 40¢  
Lovely lavender fls; margined foliage;  
spring bloomer; RG; HP.

**OBCONICA:** Greenhouse Primulas.

—*Fassbender Red*. PRIM-113F. \$1.00  
Deep crimson; large flowers.

—*Friesdorfer Lachs*. PRIM-113D. \$1.00  
One of the very best salmons.

—*Konigsee*. PRIM-113K. \$1.00  
Pure blue.

—*Pearl of Niederrhein*. PRIM-113N. \$1.00  
Dark red with a copper sheen; compact  
habit; medium sized flowers.

—*Snowstorm*. PRIM-113S. \$1.00  
Pure white.

—*Wyaston Wonder*. PRIM-113W. \$1.00  
Dark crimson; extremely large flowered;  
compact habit.

—*Finest Mixed*. PRIM-113X. 75¢  
Very choice. 1/16 Oz. \$8.50.

—*Parryii*. PRIM-120. 40¢  
Purple with yellow eye; 1 ft; Rocky Mts;  
HP.

—*Payneura*. PRIM-122. 30¢  
—*pulverulenta*. PRIM-131. 40¢  
Purple fls with orange-brown eye; umbel-  
els; 8"; HP.

—*reticulata*. PRIM-135. 35¢  
Himalayan species.

—*saxatilis*. PRIM-139. 40¢  
Heads of bright pink fls in clusters; 10".

—*secundiflora*. PRIM-144. 40¢  
Deep violet fls, one-sided umbels; 8"; HP.

—*Sieboldii*. PRIM-148. 50¢  
White, rose, purple, 2" ac; 8"; Japan; HP.

—*sikkimensis*. PRIM-150. 40¢  
Yellow fls, 1" ac; umbels; 2 ft; Himalay-  
as; HP.

**SINENSIS:** Chinese Primroses; GH.

All fimbriated varieties.

—*Pure White*. PRIM-151W. \$1.00

—*Beauty of Nice*. PRIM-151N. \$1.00  
Beautiful salmon-pink.

—*Dazzler*. PRIM-151D. \$1.00  
Bright orange-scarlet.

—*Defiance*. PRIM-151F. \$1.00  
Velvety crimson with brown eye.

—*Duchess*. PRIM-151C. \$1.00  
Rosy white with dark eye.

—*The C-zar*. PRIM-151Z. \$1.00  
Dark blue.

—*Choice Fringed Mixed*. PRIM-151X. 75¢  
The best blend. 1/16 Oz. \$8.50.

—*vaginata*. PRIM-163. 40¢

—*vulgaris v. corrulaea*. PRIM-173C. 40¢  
(P. acaulis) Dark blue, 1½" across; 6".

—*alba*. PRIM-173A. 40¢

—*Waltonii*. PRIM-174. 50¢  
Violet fls, ½" ac in umbels; 2 ft; Tibet.

—*Watsonii*. PRIM-176. 40¢  
Himalayan speice; purple fls with white  
centers; 6"; HP.

—*Wilsonii*. PRIM-181. 40¢

Purple fls, ¾" ac; 2 ft; China; HP.

—*veris hybrids*. PRIM-165H. 30¢  
Cowslip P. Extra large flowering; 8"; HP.

—*Mixed*. PRIM-165X. 30¢  
Colossal Strain; extremely large flowers  
in a wide color range. ½ Oz. \$4.00.

—*Gold Laced*. PRIM-165GL. 30¢  
Extra fine mixed. ¾ Oz. \$3.00.

—*Red Shades*. PRIM-165T. 35¢  
Scarlet and crimson shades. ½ Oz. \$5.00.

—*Giant White*. PRIM-165W. 35¢  
Creamy white with yellow eye. ½ Oz. \$5

—*Giant Munstead*. PRIM-165GM. 35¢

White, primrose and yellow shades. ½  
Oz. \$4.50.

—*Giant Primrose*. PRIM-165GP. 50¢  
Primrose-yellow flowers. ½ Oz. \$0.00.

—*yargongensis*. PRIM-185. 50¢  
Deep purple; 4"; nodding umbels; Tibet.

—*Hardy Primula Mixed*. PRIM-X. 30¢  
All hardy species.

**PROBOSCIDEA.** (pro-bo-SID-ee-ah)

Unicorn Plant. Martyniaceae. Annuals  
and perennials with large, long stemmed lvs  
and large purple flowers and Okra-like fruits  
that can be used the same as Cucumbers.  
Sow the seed where they are to grow but in  
the North they would have to be started in-  
doors in pots or boxes.

—*Jussieui*. PROB-2. 25¢  
Creamy white to violet fls, 2" long; TA.

**PROTEA.** (PROH-tee-ah)

Proteaceae. Trees, shrubs and stemless  
perennials from S. Africa. Those offered  
will stand several degrees of frost; they can  
be grown in pots, making excellent indoor  
plants.

—*Abyssinica*. PROT-1. 50¢  
From S. Rhodesia; (10 seeds).

—*angolensis*. PROT-2. 50¢  
Collected in South Rhodesia.

—*cynaroides*. PROT-3. 40¢  
Very dark pink fls; wet soil and cool spot.

—*Mellefera*. PROT-7. 40¢  
Very delicate pink; 9 ft; cups 5" deep,  
3" across; HHP.

—*Mixed*. PROT-X. 25¢

## PRUNUS

(PROON-us). Rosaceae. Includes the  
stone-fruits: Plums, Peaches, Cherry-laurels.  
Ornamental flowering kind especially listed.

—*Amygdalus*. PRUN-6. 40¢  
Almond. (P. communis). Oz. 50¢; lb.  
\$2.50.

—*Armeniaca*. PRUN-9. 35¢  
Apricot. c. s. lb. \$1.50.

—*avium*. PRUN-12. 35¢  
Sweet Cherry. Lb. \$2.00.

—*cerasifera*. PRUN-21. 35¢  
\$1.90.

—*Lannesiana*. PRUN-103L. 40¢  
A beautiful Japanese ornamental Cherry;  
pi-nk, fragrant fls. Oz. 75¢; lb. \$4.00.

—*lusitanica*. PRUN-55. 35¢  
\$3.00.

—*Laurocerasus*. PRUN-58. 35¢  
Cherry Laurel. Planted in the South;  
(VII). Oz. 75¢; lb. \$2.75.

—*Mahaleb*. PRUN-70. 35¢  
Ornament and stock for other Cherries.

Lb. \$2.50. Prices subject to change on all  
grafting stock material; ask for prices in  
larger quantities; order early.

—*ume*. PRUN-78. 40¢  
Hardy in the North. Lb. \$2.25.

—*Padus*. PRUN-85. 35¢  
European Bird Cherry. Ornamental. Oz.  
75¢; lb. \$5.00.

—*prostrate*. PRUN-93. 35¢  
Indian collected seed.

—*Sargentii*. PRUN-108. 35¢  
Handsome hardy tree; Japan. Oz. 60¢;  
lb. \$5.00.

—*wild Black Cherry*. (III). Oz. 60¢; lb.  
\$4.50.

—*spinosa*. PRUN-111. 35¢  
Blackthorn. Ornamental tree; 10 ft. Oz.  
50¢; lb. \$2.50.

—*virginiana*. PRUN-123. 25¢

Choke-Cherry. c. s. Oz. 40¢; lb. \$2.00.  
**serrulata.** PRUN-103. 40¢  
 Japanese Cherry. White fls, 1½" across.  
 Oz. 60¢; lb. \$3.50.

**PRITCHARDIA.** (prit-CHARD-ee-uh)  
**filifera.** PRIT-1. 50¢  
 Palm. 100 seeds \$3.00; 1,000, \$8.00.  
**robusta.** PRIT-3. 50¢  
 Palm. 100 seeds \$3.00; 1,000, \$8.00.

**PSEUDOLARIX.** (soo-doh-LAR-ix)  
**amabilis.** PSEL-1. 35¢  
 (Kampferi); Golden Larch. Oz. 90¢.

**PSIDIUM.** (SID-ee-um)  
 Guava. Myrtaceae. Tropical trees and shrubs grown in the far South for ornament and their edible fruits, much used in jellies and conserves; easily grown anywhere oranges are grown.

**guajava.** PSID-4. 25¢  
 The common Guava; (IX).  
**Mixed.** PSID-X. 25¢  
 Many kinds.

**PTELEA.** (TEEL-ee-uh)  
 Rutaceae. Hop-Tree. Small shrubs and trees of N. Amer. Flowers in short clusters greenish white, followed by fruits; some shade; porous soil; sow in fall, best.  
**trifoliata.** PTEL-4. 25¢  
 Shrub or tree to 25 ft; N. Y.-Fla; (IV).

**PTEROCARYA.** (tehr-oh-CAY-ree-uh)  
 Wing-Nut. Juglandaceae. Deciduous trees of Asia; very fast growers.

**fraxinifolia.** PTEY-2. 50¢  
 Tall tree; fruits in racemes to 2 ft long; Caucasus.

**PTEROCEPHALUS.** (tehr-oh-SEFF-al-us)  
 Dipsaceae. Draba-like perennials grown in the rockery; they are native of the Pyrenees; 2-3 inches high; mat-like growth.

**parnassi.** PTERC-3. 50¢  
 Spreading HP; 3"; purplish pink fls, 1" across; R-G.

**PUMELIA.**  
**humilis.** PUME-4. 30¢  
 Rice Flower. Clusters of white fls; light green foliage; shrub to 4 ft; Australia.

**PURSHIA.** (PURSH-ee-uh)  
 Antelope-bush. Rosaceae. Western native shrubs with small yellowish flowers, probably best for its clustered leaves. It grows in arid lands from Ore. to Calif.

**tridentata.** PURS-1. 25¢  
 Deciduous shrub to 6 ft; silvery leaves; (IV).

**PUTTERICKIA.**  
 South African shrubs.  
**pyracantha.** PUTT-12. 50¢  
 Ornamental fruits; 5 ft; TSh.

**PUYA:** see in list under **Cacti**.

**PYCNOSTACYS.**  
**urticifolia.** PYCN-3. 40¢  
 Blue fls in dense spikes; 7 ft; GH; (X).

**PYRACANTHA.** (pye-ruh-KANTH-uh)  
 (KWAM-oh-klit) Star Glory. Convolvulaceae. Annual and perennial twining vines,

grown as tender annuals in the North. They are used mainly for rapid growing climbers, thriving in a good light soil and in full sun.

**angustifolia.** PYRA-1. 30¢  
 Shrub to 12 ft; China; (cotoneaster).  
**atalantiooides.** PYRA-3. 50¢  
 Showy fruits; white fls; 10 ft; HSh; (IV).  
**coccinea.** PYRA-5. 30¢  
 20 ft; S. Europe.  
**crenulata.** PYRA-10. 30¢  
 Nepal Firethorn. To 20 ft; (sym. Cotoneaster and Crataegus).  
**Saliensis.**  
**crenato-serrata.** PYRA-9. 30¢  
 Chinese Firestone. To 10 ft; white fls in many corymbs; China; (VIII).  
**taliensis.** PYRA-10T. 30¢  
 Yellow fruited Tare-thorn.

## QUAMOCLIT

**coccinea.** QUAM-1. 25¢  
 Star Ipomoea. 10 ft; TA.  
**4-hederifolia.** QUAM-1H. 25¢  
 Scarlet fls with yellow throat; 10 ft; HHA. Ivy-leaved type.  
**lobata.** QUAM-2. 25¢  
 Crimson fls fading to a pale yellow; 20 ft; TP.  
**pennata.** QUAM-4X. 25¢  
 Cypress Vine. Showy scarlet fls; to 20 ft; TA.  
**White.** QUAM-4W. 25¢  
**Pink.** QUAM-4P. 25¢  
**Scarlet.** QUAM-4S. 25¢  
 Cypress Vine. Showy fls in following colors; vine to 20 ft; TA. Oz. 65¢; lb.\$5.00.  
**Sloteri.** QUAM-6. 25¢  
 Cardinal Climber. Red fls with white throat. -2" long; vine to 20 ft; TA. Oz. 90¢; lb.\$6.50.  
**Mixed.** QUAM-X. 25¢  
 Above species and varieties.

**RAMONDA.** (ray-MOND-ah)  
 Gesneriaceae. Small plants making flat rosettes of hairy basal leaves; stems 3-4 inches long, bearing several 4-5 pointed flat flowers, resembling Saintpaulia, to which family it belongs; fully hardy with some protection; seedlings develop slowly.

**Nathaliae.** RAMO-5. 50¢  
 Lavender-blue with golden centers; Serbia; HHP.  
**Myconii.** RAMO-7. 50¢  
 Purple fls, 1" across; 3 inches high; HHP. Not too high temperature in germinating; expose to the light.  
**rosea.** RAMO-7R. 50¢  
**pyrenaica:** see **Myconii.** RAMO-X. 30¢  
**Mixed.**

## RANUNCULUS

Buttercup, Crowfoot. Ranunculaceae. A very large genus and popular in flower gardens; those grown mainly as GH plants are in R. asiaticus. They are easily grown; C-23

**aconitifolius.** RAN-2. 30¢  
 White fls, 1" across; 3 ft; HP  
**californicus.** RAN-13. 25¢  
 Yellow fls; 2 ft; Ore; HP.  
**calandrinooides.** RAN-14. 40¢  
 Winter flowering; white flushed pink, 2" across; silver leaves; HP.  
**hirtellus.** RAN-30. 25¢  
 Variable species; yellow, white or pale rose fls 2" ac; HP.  
**Hybrids.** RAN-31F. 25¢  
 French giant hybrids.  
**Lappaceus.** RAN-33. 30¢



A PARTIAL VIEW OF OUR PLANTINGS OF HARDY BULBS

**—lindleyi.**

RAN-34. 25¢

RAN-35. 30¢

**—Lyallii.**

Showy species; white fls; 2 ft; N. Z; TP.

**—superbus.**

In shades of pink, white, red, yellow, rose; takes 35 days to germinate; HP.

**—Mixed.**

RAN-X. 25¢

#### RAPHIOLEPSIS.

(raf-ee-OL-ep-iss)

Rosaceae. Evergreen shrubs grown in the South; they have shiny leathery leaves; white or pink flowers in racemes or panicles, followed by purple fruits.

**—umbellata v. ovata.**

RAPH-6V. 35¢

Yeddo Hawthorne. 12 ft; Japan. Oz. 75¢

**REBUTIA:** see in list under *Cacti*.

**—xanthocapa.**

REBU-26. 50¢

#### RHAMNUS.

(RHAM-nus)

**—Alaternus.**

RHAM-1. 30¢

Sow in fall or stratify; 20 ft; (VIII). Oz.

50¢.

**—cathartica.**

RHAM-6. 30¢

**—crocea.**

RHAM-9. 25¢

Red-berry. 3 ft; evergreen; (VIII).

**—ilicifolia.**

RHAM-9L. 30¢

Holly-leaf Red-berry. (VIII).

**—Frangula.**

RHAM-14. 30¢

Alder Buckthorn. 12 ft; (V). Oz.

50¢.

**—davurica.**

RHAM-8. 30¢

Dahurian Buckthorn. To 30 ft; Siberia.

c. s. Oz. 50¢; lb. \$4.50.

(REE-um)

Rhubarb. Polygonaceae. Perennials with stout basal leaves and with the flowers in

clusters or racemes at top of long stems. Used for bold effect in the border.

**—acuminatum.**

RHEM-1. 30¢

Stems and flower dark purple; 2-3 ft; Himalayas; HP.

**—nobile.**

RHEM-8. 25¢

Densely covered with yellowish bracts; 4 ft; HHP.

**—Rhaponticum.**

RHEM-1. 20¢

Pie-Plant. Also listed in with the Herbs.

#### RHEXIA.

Melastomaceae. Meadow Beauty. Perennials native of N. Amer; flowers are terminal solitary or in cymes, followed by fruits. Border or wild garden; moist places.

**—mariana.**

RHEX-5. 25¢

Golden stamens surrounded by delicate, pale pink petals; 2 ft; HP; (V)-

**—virginica.**

RHEX-9. 25¢

#### RHIGOZUM.

**—obovatum.**

RHIZ-12. 40¢

Bright yellow fls; 8 ft; TSh; S. Africa.

**RHODANTHE:** see *Helipterum Manglesii*.

#### RHODOHYPOXIS.

(ray-doh-hy-POX-is)

Amaryllidaceae. Pretty little bulbous plants from S. Africa and very rare in cultivation. They make a dense turf of short grassy leaves, with flat 6-pointed stars,  $\frac{3}{4}$ " across; moist but well drained sandy soil, half shade and will stand down to 20 degrees F. Bulbs wintered over in the cellar should

not be allowed to dry out.

**bauri.**

Brilliant rose or white fls; makes a good pot plant.

Rosaceae. Native shrubs of China and Japan.

**tetrapetala.**

Jet-Bead. Hardy; 6 ft. Oz. 70¢.

**RICINUS.**

(RISS-is-us) Caster Bean. Euphorbiaceae. A single species, variable and distributed over tropic effect, giving a tropical desse...-anXical regions They are planted for foliage effect in gardens; start indoors in pots, transplanting them to their beds after all danger of frost has passed; give good rich soil.

**R. COMMUNIS:**

**borboniensis arboreus.**

RIC-1B. 25¢ Red stems; glaucous foliage; 10 ft.

**cambodgensis.**

RIC-1C. 25¢ Dark foliage and blackish purple stems; 10 ft. Oz. 25¢; Lb. \$2.00.

**Gibsonii.**

Dark foliage with metallic luster; dwarf form; 8 ft. Oz. 75¢; lb. \$2.00.

**Red Spire.**

Showy red stemmed variety; 10-15 ft. Oz. 75¢; lb. \$2.00.

**sanguineus.**

RIC-1S. 25¢ Red leaves; 10 ft. Oz. 75¢; lb. \$2.00.

**zanzibarensis.**

RIC-1Z. 25¢ Bright green leaves with white veins; 15 ft. Oz. 75¢; lb.\$2.00.

**Mixed.**

Oz. 50¢; lb. \$1.50.

**RHODODENDRON.**

Pink to white; 6 ft; China.

(roh-doh-DEN-dron). Ericaceae. The can be sown inside in January or March, in a mixture of sand, peat and a little loam; cover seed lightly with milled sphagnum and remove grass as soon as germination starts.

**arboreum, Mixed Varieties.** RHOD-30. 50¢

**Augustinii.** RHOD-39. 50¢

**auritum.** RHOD-42. 50¢

**Azor.** RHOD-45. 50¢

Pink, spotted with yellow; 20 ft.

**brachyanthum.** RHOD-57. 50¢

Pale yellow to greenish yellow; 5 ft; Yunnan.

**caeruleum.** RHOD-64. 50¢

**carolinianum.** RHOD-83. 50¢

Pale rose-purple to white; 6 ft.

**crassum.** RHOD-104. 50¢

White funnelform fls; 20 ft; Himalayas.

**decorum.** RHOD-117. 50¢

White to pinkish, 2" across; China.

**deleistense** RHOD-119. 50¢

Deep purple-magenta; 3 ft; Assam.

**desquamatum.** RHOD-123. 50¢

Pale pinkish purple; 30 ft; N. Burma.

**Fargesii.** RHOD-147. 50¢

White or pinkish, bell-shaped fls; 15 ft; China.

**ferrugineum.** RHOD-150. 50¢

Pink; 3 ft; July-August.

**Ghent Hybrids.** RHOD-283G. 50¢

Beautiful hybrids much grown by nurseries; will be pleased to quote quantity prices if interested.

**Griersonianum.** RHOD-178. 50¢

Rose with darker spots; 6 ft; China.

**Hybrids.** RHOD-198. 50¢

Made up of hybrid seed from all sources. Oz. \$2.50.

**hippophaeoides.** RHOD-191. 50¢

Lavender-blue; bell-shaped; 5 ft; China.

**impeditum.** RHOD-200. 50¢

Light purplish blue; 20 ft; Yunnan.

**Johnstoneanum.** RHOD-206. 50¢

**Kaempferi.** RHOD-250K. 50¢

Red to pink; 3 ft; (R. obtusum K.).

**maximum.** RHOD-249. 50¢

Tree to 35 ft; rose fls.

**molle.** RHOD-255. 50¢

Japanese Azalea. Golden yellow; mixed varieties.

**occidentalis.** RHOD-280. 50¢

Western Azalea. Pink and yellow, 2"

across; (VIII).

**micranthum.** RHOD-252. 50¢

White, bell-shaped fls; 8 ft; China.

**oleifolium.** RHOD-328. 50¢

**obtusum Arnoldianum.** RHOD-250A. 50¢

Rose or red; 3 ft; hyb. between amoenum and Kaempferi.

**oreotropheas.** RHOD-290. 50¢

Rose-lavender; 7 ft; China.

**polylepis.** RHOD-308. 50¢

Purple spotted with yellow; 10 ft; China.

**ponticum.** RHOD-309. 50¢

Purple spotted brown; 10 ft.

**pubescens.** RHOD-319. 50¢

Bright rose; 4 ft; China.

**racemosum.** RHOD-328. 50¢

Broad bell-shaped pink fls; 6 ft; China.

**ravum.** RHOD-334. 50¢

Rose; 4 ft; Yunnan.

**rubiginosum.** RHOD-347. 50¢

Pinkish blue, spotted brown; tree to 30 ft; Yunnan.

**Schlippenbachii.** RHOD-357. 50¢

Pink spotted with brown; 15 ft; Korea.

**Smirnowii.** RHOD-380. 50¢

Rose, bell-shaped; 18 ft; Caucasus.

**utchuense.** RHOD-392. 50¢

Pink or lilac, spotted purple; 10 ft; China.

**triflorum.** RHOD-403. 50¢

Light yellow, spotted green; 8 ft; Himalayas.

**tsangpoense.** RHOD-406. 50¢

Pink, 2" across; 2 ft; Tibet.

**yunnanense.** RHOD-440. 50¢

White or pinkish, spotted red; China.

**Mixed Rhododendrons.** RHOD-X. 50¢

This is a very choice collections of both Rhododendrons and the species usually listed under Azaleas; there are many additions other than those listed above.

NOTE: There are some 50 more Rhododendrons yet to be listed....These will be found on page 97....They are a collection of some of the best English hybrids, all of the very highest rating.

**ROBINIA.** (roh-BIN-ee-uh)

**Pseudo-acacia.** ROBI-16. 30¢

False Acacia. Soak seed in hot water; best sown in the spring. Oz. 50¢.

**viscosa.** ROBI-18. 30¢

Clammy Locust. Sow seed in the spring.

Oz. 50¢; lb. \$4.00.

**ROMNEYA.** (ROM-nee-uh)

Locust. Leguminosae. They are hardy in the North. Start seeds in the spring.

**Coulteri.** ROMN-1. 40¢

Matilija Poppy. White, 6" across; 8 ft; (VII). Oz. \$1.75.

**ROMULEA.** (rom-YEW-lee-uh)

Iridaceae. Crocus-like bulbs in purple and yellow; closely related to the Crocus but not real hardy; they are not common in the U. S. A.

**bulbicodium.** ROMU-1. 30¢

Pale lilac. yellow centers, tinted golden brown.

**Hartungii.** ROMU-2. 30¢

From South Africa.

## ROSA

Rose. Rosaceae. The seed of the species should be planted in the fall so that they can lay over winter in the soil, when they usually germinate in the spring. Hold the seed bed for two years at least for late germinating seeds. I would appreciate hearing from any one growing the species not listed here; we are growing these in our own planting and missing species will be appreciated.

**—acicularis.**

Deep rose, fragrant; hardy wild Rose; 3 ft. c. s. Oz. 60¢; lb. \$3.50.

**—canina.**

Dog Rose. 10 ft.; Oz. 60¢.

**—carolina.**

Masses of 3" fragrant pink fls followed by glossy red fruits holding on into the winter; 6 ft; Me. to Fla.

**—cericea.**

Himalayan Rose.

**—highdownensis.**

Crimson fls; bright fruits; a hybrid.

**—multiflora.**

Japanese Rose. 8 ft; (II). c. s. Oz. 50¢; lb. \$3.50.

**—nana perpetua.**

ROSE-106P. 35¢ 100 berries \$1.50; 1,000, \$6.50.

**—nutkana.**

Rose fls; 5 ft; to Alaska.

**—pendulina.**

Rose fls in corymbs; 3 ft.

**—rugosa.**

Red or white, 4" across. Oz. 75¢.

**—pimpinellifolia.**

(spinoissima) Scotch Rose. White, pink or yellow.

**—altaica.**

White; Minn.

**—polyantha.**

Multiflora type. Oz. 65¢; lb. \$5.00.

**—nana.**

ROSE-126N. 35¢ Dwarf strain. 100 seeds 75¢; 1,000, \$5.00.

**—rubrifolia.**

Deep red fls, 1½" across; corymbs; 6 ft; (IV).

**—setigera.**

Prairie Rose. Climber to 15 ft; pale rose.

**—fomentosa.**

ROSE-150. 35¢ Pink and white fls; 6 ft.

**—Woodsi.**

Pink; very hardy; 6 ft; (I). c. s. Oz. 60¢.

**—Wichuraiana.**

ROSE-156. 40¢ Prostrate evergreen Rose; fragrant white fls. 2" across; hardy.

**—Mixed.**

ROSE-X. 30¢

**ROSELLA:** see Hibiscus Sabbariffa.

**ROSEMARY:** see Rosmarinus.

**ROSMARINUS.** (ross-muh-RYE-nus)

Rosemary. Labiate. Hardy evergreen shrubs grown for both ornament and as a garden herb, especially its oil; HP to (V).

**—officinalis.**

ROSM-1. 25¢ Light blue fls; 6 ft; April-May; (V); ½ Oz. \$1.50.

**ROYSTONEA.**

(roy-STOH-nee-uh)

**—regia.**

\$3.50; 1,000, \$15.00.

ROYS-5. 75¢

**RUBUS.**

(ROO-bus)

**—idaeus.**

European Raspberry.

RUBE-28. 30¢

This Catalog goes to nearly every country in the world; its the most complete Catalog published anywhere—costs but 25¢ prepaid.

## RUDBECKIA

Coneflower. Compositae. Conical shaped disks of daisy-like flowers; thrive in any ordinary soil in sun or partial shade. Seed can be planted early indoors or later outside as for perennials. They are especially nice in border or cutting. (rud-BEK-ce-uh).

**—amplexicaulis.**

RUD-1. 25¢

Yellow petals, brownish disk; 2 ft; nice in the border; HA.

**—bicolor.** Golden Sunset. RUD-2G. 20¢

Double golden flowers; HA.

**—splendens.** RUD-2S. 20¢

**—grandiflora.** RUD-5. 20¢

Coneflower. Oz. 60¢.

**—hirta.** RUD-6. 20¢

Black-Eyed-Susan. Biennial but often annual; 3 ft; rays golden yellow, disks purple-brown, ¾" across; June till frost.

**—Autumn Tints.**

RUD-6A. 20¢

Golden yellow petals, dark disks; 2 ft.

**—Star of Kelvedon.**

RUD-6K. 20¢

Golden yellow rays, dark brown disk.

**—My Joy.**

RUD-6M. 25¢

A pure golden yellow with dark disks; 2½ ft; popular German variety.

**—Mixed.**

RUD-6X. 20¢

**—purpurea:** see Echinacea purpurea.

**—Starlight.** RUD-17S. 25¢

Semi-double; good range of colors with many bicolors.

**—speciosa, Newmanii.**

RUD-17N. 25¢

Pinkish rays, large dark cone; petals hang downward giving it an attractive effect; 2 ft; HP.

**—Rudbeckia Mixed.**

RUD-X. 20¢

**RUMEX.**

(ROO-mex)

**—patientia.**

RUME-13. 25¢

Spinach-dock; Herb-Patience. A savory winter vegetable.; 6 ft; HP.

Only 1955 crop seed available.

**SABAL.**

(SAY-bal)

Palmetto. Palmaceae. (Inodes). The Palmetto Palms, found in Florida and as far North has N. C. They are easily grown; fresh seed is available in the fall; germinates readily and grows quickly.

**—Blackburnia.**

SABA-4. 60¢

Palm. 100 seeds \$2.50; 1,000, \$7.00.

**—minor.**

SABA-10. 60¢

100 seeds \$250; 1,000, \$7.00.

**SABATIA.**

(sab-BAY-shee-uh)

**—campestris.**

SABT-3. 30¢

Rose Gentian. Lilac fls; 15"; HHA.

**SAINTPAULIA.**

(saynt-PAU-le-ah)

African Violets. Gesneriaceae. They can grow easily from seeds and produce excellent type flowers. The seed being small, sow them on the surface of a mixture of peat, leaf mould and silver sand, equal parts; press seeds into soil and cover with glass; water from below; keep in warm place where they germinate in 2 weeks; be careful of damping off, ventilate often.

**—diplotricha.**

SAPU-1. 50¢

(S. ionantha) Most popular species.

**—Blue Fairy Tale**

SAPU-1B. 75¢

An improved floriferous strain from Germany.

**—Hybrids.**

SAPU-1H. 60¢

Choice large flowered mixture; many attractive shades; grown in the Netherlands. 1/64 Oz. \$21.00.

## SALPIGLOSSUS

(sal-pi-GLOS-is) Solanaceae. Half hardy annuals from Chile, the Paisly Flower, suggests well the exotic beauty of its coloring, rich velvety tones of purple, blues, yellows, reds and white, veined with gold; funnel-shaped, 2½" across; blooms from July till frost. Start seed early indoors, being careful not to allow seedlings to become stunted; best in sandy soil and part shade; germinate in light and a warm place; for winter flowers in the GH, sow first week in August; don't over-water.

- Dwarf Giant Flowered.** SALP-1D. 30¢ Bushy plants; 1½ ft; HHA.
- Emperor.** SALP-1E. 30¢ Upright growth; heavy gold veining; extra fine; 3 ft; HHA.
- gloxiniæflora.** SALP-1G. 30¢ Gloxinia-like flowers; beautifully marked; 3 ft.
- Blend.** SALP-1X. 25¢ All kinds mixed.

## SALVIA

(SAL-v-ah) Sage. Labiatea. There are many species, some of which are very showy in the flower border. *S. splendens*, Scarlet Sage, is the best known, being grown for its red flowers. They all are easily grown from seed and require no special treatment

- argentea.** SALV-4. 30¢ Silver Salvia. White woolly fol; rose-white fls; 8"; HB.
- azurea.** SALV-7. 30¢ Blue or white fls, ½" long, in racemes; 3 ft; TP.
- coccinea.** SALV-20. 30¢ Perennial of tropical Amer; grow as a HHA; fls quite distinct from *S. splendens*; bright scarlet, carried on long slender racemes; July-Sept; 2 ft. Oz. \$2.00.
- farinacea.** SALV-24. 30¢ Perennial native of Texas; grow as HHA in North; spikes of soft lavender-blue; July-Sept; 2-3 ft. Oz. \$3.00.
- Blue Bedder.** SALV-24B. 30¢ A pretty shade of blue and longer spikes; fairly hardy. Oz. \$4.00.
- Horminum.** SALV-34. 40¢ Lilac-purple fls in racemes; 1½ ft; HA.
- interrupta.** SALV-40. 30¢ Bluish white fls in racemes 2 ft long; 4 ft; TSh.
- Jurisiccia.** SALV-44. 30¢ Small purple fls on branched racemes; 18"; Serbia; HP.
- lyrata.** SALV-48. 30¢ Bright blue fls on 2 ft stalks, in whorls; sandy soil; will flower first year if started early; HP.
- officinalis.** SALV-60. 25¢ Garden Sage. Sow late in fall or early spring.
- patens.** SALV-61. 30¢ Gentian Salvia. Blue fls 2" long; 2½ ft. HHA.
- Cambridge Blue.** SALV-61C. 30¢ A pretty improved variety. ½ Oz. \$2.50.
- Mauve Queen.** SALV-61M. 30¢ A lovely mauve colored variety. ½ Oz. \$3.00.
- Lavender Lady.** SALV-61L. 30¢ An improved lavender var. ½ Oz. \$3.00.
- pratensis.** SALV-64. 30¢ Bright blue fls, 1" long; 3 ft; HP.
- scabiosæfolia.** SALV-75. 30¢
- Sclarea.** SALV-77. 30¢ Clary Salvia. Rose and white fls, 1" long

in paniced racemes; 3 ft; HB.

- turkestanica.** SALV-77T. 30¢ White fls tinged with pink.

—**sonomensis.** SALV-83. 30¢ Creeping Sage. Light shade or in sun; rare; HP; (VIII).

- Salvia Blend.** SALV-X. 25¢ Mixture of all kinds excepting *S. splendens*.

**S. SPLENDENS:** Scarlet Sage, easily grown from seed started in Feb. or March. They are perennials but tender; grow as TA in the North. Seed germinates in about 15 days and should be kept in a warm place and in the light; cover seed pan with glass, not with paper in this case.

- America.** SALV-85A. 30¢ Earliest; uniform plants, 20" high; brilliant scarlet. Oz. \$3.00.

—**Bonfire.** SALV-85B. 30¢ Brilliant scarlet; erect stiff growth; 30" high. Oz. \$2.50.

- Fireball.** SALV-85F. 30¢ Scarlet fls; very early; dwarf; heavy spikes. Oz. \$4.00.

—**St. John's Fire.** SALV-85S. 30¢ Early dwarf; scarlet fls; upright growth; 10" plants. Oz. \$6.00.

- Zurich.** SALV-85Z. 30¢ Earliest and very dwarf; compact; scarlet; 18". Oz. \$3.00.

**NOTE:** We will be pleased to quote special prices in pound lots to florists; please write, stating kinds and quantity wanted.

## SAMANEAE.

- caerulea.** SAMA-3. 50¢ (*glaucia*) Blue Elder. To 50 ft. d. b. lb. \$3.00.

—**Samen.** SAMA-12. 50¢ Rain Tree, Monkey Pod. Pretty shade tree; (X). 100 seeds \$2.50.

## SAMBUCUS.

- nigra.** SAMS-11. 30¢ European Elder. Oz. 50¢.

—**racemosa.** SAMS-14. 40¢ European Red Elder. Oz. 65¢.

## SANDERSONIA.

- aurantiaca.** SAND-1. 50¢ A GH plant in the North; bright yellow fls; 2 ft.

## SANQUISORBA.

(san-gwis-SORB-uh)

Burnet. Rosaceae.

- officinalis.** SANG-12. 25¢ Garden Burnet. To 5 ft; dark purple fls in spikes, 1" long; HP.

## SANTALUM.

- album.** SANL-1. 50¢ White Sandlewood. (X). Oz. \$1.75.

## SANTOLINA.

(san-toh-LY-nah)

Compositae. Low border or edging plants many of which are propagated by cuttings. Grayish low evergreen shrubs with many flower-heads of yellow or white disk flowers.

- rosmarinifolia.** SANO-6. 30¢ Solitary heads; 2 ft; HHSh.

## SANVITALIA.

(san-vi-TAY-le-ah)

Compositae. Small American annuals with small solitary heads and white or yellow rays, brown or purple disks; light soil and full sun.

- procumbens, Double.** SANT-1D. 25¢ Creeping Zinnia. A low border plant, 6" for hot dry places; fls orange-yellow with conspicuous purple-black centers; Aug-Oct; trailing.

**SAPINDUS.** (sap-PIND-is)

—**Mukowossii.** Soap-berry. (IX). 100 seeds \$3.50.

**APIUM.**

—**sebiferum.** Chinese Tallow Tree, Vegetable Tree. I(X). 100 seeds \$5.00.

**SAPONARIA.**

(sap-on-NAY-ree-uh) Soapwort. Caryophyllaceae. Easily grown hardy annuals and perennials some of which are excellent for the rockery; flowers are red, pink or white, in cymes or panicles.

**SAPOTO.**

—**Zapota.** Sapodilla. (X). Oz. 90¢.

—**officinalis.** Bouncing Bet. Pink fls 1" ac; 3 ft; May-Sept; HP. 1/2 Oz. 50¢.

**SARRACENIA.** (sar-ras-SEEN-ee-uh)

Pitcher Plant. Sarraceniaceae. American insectivorous plants grown as curiosities. Native of moist places and can be grown in pots of sandy muck soil, standing in a little water.

—**purpurea.** SARR-7. 35¢

Basal rosettes of weird 10" pitcher-like leaves that fill with water. Keep seed moist after sowing; acid soil.

**SATUREJA.** (sat-yew-REEF-uh)

—**Brauneana.** SATV-5. 30¢

**SAUSSUREA.** (soss-YEW-ree-ah)

Compositae. Temperate zone plants with heads of blue or purple disk flowers, easily grown from seed. They make nice ornamental plants in the border.

—**gossypiphora.** SAUS-4. 50¢

Dwarf; 6-12 inches; fls in large umbels; silvery gray; HP.

## SAXIFRAGA

(sak-SIF-rah-gah) Rockfoil. Saxifragaceae.

A very large genus, much prized for its flowers, both in the border or rockery; they are not hard to grow from seed and require the usual attention of all perennials; sow seed either late in the fall or early spring for best results.

—**aizoon, Mixed.** SAX-4X. 35¢

Dense basal rosettes; fls 1/2" ac; 18"; HP.

—**dense.** SAX-4D. 35¢

Rosettes very small and silvery; creamy fls; HP.

—**minor.** SAX-4M. 35¢

Small silvered rosettes and short spikes; white flowers; HP.

—**rosea.** SAX-4R. 35¢

Bright pink flowers; HP.

—**arguta.** SAX-22. 40¢

White fls with yellow spots; very small, panicles; 8"; HP.

—**cartilaginea.** SAX-54. 40¢

White, rose or purple fls; lvs in rosettes; 9"; HP.

—**crustata.** SAX-68. 40¢

Dense tufts; white fls, 1/2" ac; 1 ft; HP.

—**cuneata infundibuliformis.** SAX-70F. 40¢

Spoon-shaped lvs; HP.

—**lingulata.** SAX-130. 40¢

White fls over silver rosettes; 8"; (VI).

—**Albertii.** SAX-130A. 50¢

Larger than type; fol. bluish gray; fls white spotted red.

—**virginiensis.** SAX-200. 35¢

Leaves in rosettes; white fls, 1/2" ac;

1 ft; HP.

—**Encrusted Species Mixed.** SAX-80. 50¢

—**Mossy Species Mixed.** SAX-145. 50¢

—**Saxifraga Mixed.** SAX-X. 30¢

All kinds mixed.

## SCABIOSA

(skay-bee-OH-suh) Mourning Bride, Pin-cushion Flower. Dipsaceae. A very popular garden flower for sunny places; sow seeds either early indoors or later, to the open soil. In the South plant the annuals in the fall; pinch back the annuals for bushy plants and by keeping flowers cut, they will bloom all summer.

**S. ATROPURPUREA:** Sweet Scabiosa. Erect HA in many varieties; 3 ft; they are excellent cut-flowers.

—**Cherry Red.** SCAB-3CR. 20¢

—**Sulphur Yellow.** SCAB-3SY. 20¢

—**Rose.** SCAB-3Z. 20¢

—**Cattleya.** SCAB-3CT. 20¢

—**Crimson.** SCAB-3CM. 20¢

—**King of the Blacks.** SCAB-3KB. 20¢

—**Dark Purple.** SCAB-3P. 20¢

—**Salmon Beauty.** SCAB-3SB. 20¢

**PRICE:** Any above, Oz. 90¢; 1/4 Oz. \$2.50.

### SCABIOSA SPECIES:

—**alpina.** SCAB-2. 30¢

Solitary lavender-blue fls 1" ac; 6"; RG; (IV); HP.

—**caucasia, House Hybrids.** SCAB-6H. 30¢

One of the loveliest perennials; shades of blue; highly improved. 1/2 Oz. \$1.50.

—**Goldingensis.** SCAB-6G. 30¢

Large flowered lavender. 1/2 Oz. \$1.50.

—**Clive Grieves.** SCAB-6G. 30¢

Rich mauve. 1/2 Oz. \$1.50.

—**Columbaria, Mixed.** SCAB-7X. 25¢

Decidate lavender and pink fls; 18"; HP.

—**Pink.** SCAB-7P. 25¢

—**Lavender.** SCAB-7L. 25¢

—**graminifolia.** SCAB-12. 30¢

Pale blue fls in flat heads, 1 1/2" across; 1 ft; HP.

—**lucida.** SCAB-16. 30¢

Uncommon and beautiful; pink fls in dense heads; 8"; HP.

—**ochroleuca.** SCAB-22. 30¢

Yellow fls; 1 1/2 ft; leaves basal; HP.

—**ukarica.** SCAB-27. 30¢

—**Perennial Species Mixed.** SCAB-PX. 30¢

## SCAEVOLA

—**frutescens v. serica.** SCAE-3S. 35¢

Hawaiian Jade Tree. Both fls and fruit white; not edible; will grow near sandy beach; 3 foot shrub.

## SCHINUS.

(SKY-nus) Anacardiaceae. Ornamental trees with small flowers in racemes or panicles, followed by fruits; not hardy in the North; they make fine lawn specimens in the South; can be grown in the GH as pot plants.

—**Molle.** SCHN-6. 25¢

California Pepper Tree, Peruvian Mastis Tree. Evergreen to 20 ft; yellowish fls; (X).

—**terebinthifolius.** SCHN-8. 30¢

Brazilian Pepper Tree, Xmas Berry Tree. (IX). Oz. 65¢.

—**Mixed.** SCHN-X. 25¢

We are always interested in hearing from anyone collecting native flower seeds.

**SCHISANDRA.**

(skiss-AND-ruh)

—*chinensis.*25 ft. climber; white or pinkish fls  $\frac{1}{2}$ " across; fragrant; May-June; scarlet berries; Japan; (IV).**SCHZ-1. 30¢****SCHIVERECKIA.**

(skw-er-REK-ee-uh)

Cruciferae. Little perennials similar to Alyssum.

—*podolica.*

Tufted; 2-4" high; white fls in short racemes; HP.

**ECHV-4. 50¢****SCHIZANTHUS**

(sky-ZANTH-us. Butterfly Flower. Solanaceae. Beautifully marked and unusually formed flowers in chamois, rose, lavender and purple shades; fern-like foliage; excellent for pot culture the year around or in partly shaded beds outdoors, doing best in a cool climate. Pinch back tops to induce a bushy growth; for winter flowers, start in Sept. for blooms in Feb. or plant later to flower as late as May; for summer bloom start indoors in March; they make up well in corsages and last well; germinate in 14 days.

—**Dr. Badger's Hybrids.** **SCHZ-1B. 30¢**  
Brilliant range with no whites; all with golden blotch; 1 ft.  $\frac{1}{2}$  Oz. \$1.00.

—**Chislehurst Hybrids.** **SCHZ-1Z. 30¢**  
Beautiful strain in violet and purple shades.  $\frac{1}{2}$  Oz. \$1.30.

—**wisetonensis.** **SCHZ-1W. 25¢**  
Valuable hybrid race; most popular type for pot culture; 18"; may be planted any month for GH growing; space plants 1 ft.

—**Butterfly Mixture.** **SCHZ-X. 25¢**  
Brilliant colors; 1 ft.  $\frac{1}{2}$  Oz. \$1.00.

—**Dwarf Boquet.** **SCHZ-1K. 30¢**  
Extra dwarf strain; brilliant colors.  $\frac{1}{2}$  Oz. \$1.50.

**SCHIZOBASOPSIS** (skye-goh-bas-OPS-us)  
South African bulbs grown in the GH as a curiosity; keep bulbs dormant from May-October.

—**vulgaris.** **SCHB-1. 35¢**  
(Bowiea).

**SCHIZOSTYLUS.** (skye-ZOSS-til-iss)  
Crimson Flag, Kafir-Lily. Iridaceae., nice GH cutflower in the North.

—*coccinea.* **SCHI-1. 30¢**  
Deep crimson fls, 2" across; lvs grass-like; 2 ft; TP.

**SCIADOPITYS.** (sye-ad-DOP-it-iss)  
Umbrella Pine. Taxodiaceae. Japanese evergreen tree; ornamental; slow growing.

—*verticillata.* **SCIA-1. 35¢**  
Hardy up to Michigan; (IV); leaves small and scale-like.

**SCHWALBEA.** Scrophulariaceae. Eastern N. American perennials.

—*americana.* **SCHW-1. 30¢**  
Showy spikes of yellow and purple fls, 2 ft long; found in moist sandy meadows.

**SCIRPUS.** (SER-pus)  
Bulrush. Cyperaceae. Grass-like plants with little spikelets; grown in shallow water or low places.

**Hystrix.**(S. natalensis) To 6"; tufted; spikelets  $\frac{1}{4}$ " long; dense heads; TA.  $\frac{1}{2}$  Oz. 90¢.**SCIR-7. 40¢****SCILLA**

Liliaceae. Attractive and popular bulbous plants with narrow basal lvs and sprays of starry flowers in blue, white or pink; ideal for rockery, woodland or border; they can also be grown in pots. (SIL-ah).

—*nonscripta.*

(Nutans) English Blue Bells. 1 ft; HBb.

**SCIL-12. 40¢**—*peruviana.*

Purple to reddish or white; 1 ft; HP.

**SCIL-13. 25¢**—*pratensis.*

Very small blue fls in racemes; 18"; HBb.

**SCIL-14. 40¢**—*bifolia.*

Dwarf, deep blue; very early bloomer.

**BULBS: 10, 60¢; 100, \$3.00.**—*hispanica.*

Spanish Bluebells. (S. campanulata).

**10, 50¢; 100, \$4.00.**—*alba maxima.*

Wood Hyacinth. Good naturalized; in shady places; white flowers.

**BULBS: 10, 60¢; 100, \$5.00.**—*Arnald Prince.*

Deep rose; long trusses.

**BULBS: 10, 60¢; 100, \$5.00.**—*Blue Queen.*

Early pale blue; pretty.

**BULBS: 10, 60¢; 100, \$4.75.**—*Excelsior.*

Strong grower; bright blue spikes.

**BULBS: 10, 60¢; 100, \$5.00.**—*Peach Blossom.*

Pretty pink variety.

**BULBS: 10, 60¢; 100, \$5.00.**—*White Triumphant.*

Pretty white; strong grower.

**BULBS: 10, 60¢; 100, \$6.00.**—*nonscripta.*

(nutans) In racemes; 1 ft; HBb; no bulbs.

**SCIL-12. 40¢**—*siberica.*Deep blue fls,  $\frac{1}{2}$ " ac; nodding racemes.**BULBS: 10, 60¢; 100, \$4.00.**—*Spring Beauty.*

Large pure white.

**BULBS: 10, 70¢; 100, \$5.50.**—*Mixed.*

Mixed seeds of those listed.

**SCIL-X. 25¢**—*Mixed Bulbs.*

Mixed bulbs of above; delivery in the fall.

**BULBS: 25, \$1.00; 100, \$3.50; 1,000, \$25.00.**

**SEAFORTHIA:** see *Archontophoenix*.  
—*elegans*: see *Ptychosperma elegans*.

**SECHIUM.** (SEEK-ee-um)  
—*edule*. SECH-2. 40¢  
Chayote, Christophine. 10 fruits \$3.00.  
Delivery on arrival of fruits.

**SECURIDACA** (see-q-RID-ah-see)  
Rhodesian Violet Tree. Popygalaceae. A showy flowering tree hardy in the South.  
—*longipedunculata*. SECU-1. 30¢  
Very beautiful tree; small pea-like purple pink fls; fragrant.

### SEDUM

(SEED-um) Stone Crop, Live-For-Ever. Succulent or fleshy, erect or prostrate plants, mostly hardy and easily grown; popular for the rockery, walls and such places. No rock garden is complete without Sedums; they are appealing to children. Sow seeds any time and treat like any perennial; sunny spots light sandy soil.

—*acre*. SEDM-2. 30¢  
Vigorous, spreading; mats of rich green; golden stars; 4"; HP.  
—*album x murale*. SEDM-8M. 30¢  
Purple foliage; pinkish fls; creeping, mat forming; 8"; HP.  
—*caeruleum*. SEDM-28. 30¢  
Charming species with pale blue fl-heads; foliage green, turning red at flowering time; June-Aug; 3-4 ft; space 4 ft HP.  
—*euphorbioides*. SEDM-42. 40¢  
—*floriferum*. SEDM-57. 40¢  
Yellow fls ½" across; semi-evergreen; July-August; China; HP.  
—*involucratum*. SEDM-69. 40¢  
—*Kamtschaticum*. SEDM-72. 40¢  
Orange-yellow fls, ¾" across; HP.  
—*Leibergii*. SEDM-76. 30¢  
Fine for RG; fleshy spoon-shaped lvs; golden stars; 10"; HP.  
—*oregano*. SEDM-100. 30¢  
Green lvs; bright yellow, fading to a pink; HP.  
—*rosea*. SEDM-127. 30¢  
Yellowish or greenish fls; 1 ft; HP.  
—*semperfivooides*. SEMP-138. 30¢  
Red fls, ½" across; 1 ft; HHP.  
—*spectabile*, *Brilliant*. SEDM-146B. 40¢  
Red fls 1½" across; glaucous; 18"; HP.  
—*sourium coccineum*. SEDM-148C. 30¢  
Creeping mats; 6"; nearly evergreen; red fls; HP.  
—*Tatarinowii*. SEDM-159. 30¢  
White to pink fls; 8"; China; HP.  
—*Sedum Mixed*. SEDM-X. 30¢

**SELENICEREUS:** see in list under Cacti.

### SEMPERVIVUM

(sem-per-VYE-vum) House Leek. Crassulaceae. Succulent plants or sub-shrubs with fleshy leaves and very much like the Sedums. Flowers are in dense heads, white, pink, greenish yellow or purple; excellent for rockery and thrive in sandy soils, sunny places.

—*caespitosum*. SEMP-16. 30¢  
(Aeonium) Tender shrub; lovely golden flowers.  
—*glaucum*. SEMP-31. 40¢  
Red flowers 1" across; 1 ft; HP.  
—*ornatum*. SEMP-69. 40¢  
Best of the House-Leeks. (S. Schlehanii v. brunneifolium); brown lvs, red in winter; 6"; rose fls.  
—*Mixed*. SEMP-X. 25¢

### SENECIO

(se-NEE-see-oh) Groundsel, Cineraria. Compositae. A large and variable genus, including shrubs and trees. They are usually easy to grow from seed; a good loamy soil best. The greenhouse Cinerarias correctly belong here.

—*adonidifolius*. SENE-2. 40¢  
—*ambracens*. SENE-4. 30¢  
—*diversifolia*. SENE-21. 30¢  
Low growing shrub; yellow fls; hardy.  
—*doronicum*. SENE-24. 30¢  
Orange Daisy. 1 ft; RG; HP.  
—*Double Mixed*. SENE-25DX. 25¢  
—*elegans*. SENE-29. 25¢  
Flower heads in loose corymbs; rays purplish, disks yellow; 2 ft; HA.  
—*jacqmoniana*. SENE-30. 50¢  
Collected in the Himalayas; HP.  
—*leucostachys*. SENE-34. 25¢  
Shrubby at base; RG; porch box; HHA.  
Oz. 60¢.  
—*candidissimus*. SENE-14C. 30¢  
Extra good porch box plant; less stiff habit; white tomentose lvs. Oz. 80¢.  
—*Diamond*. SENE-14D. 25¢  
Usually listed under Cineraria; foliage pure white; RG. Oz. 80¢.  
—*graberi*. SENE-37. 35¢  
Shrub to 3 ft; many butter-yellow daisies in summer; beautiful; neat leaves.  
—*grayii*. SENE-38. 40¢  
Yellow flowered daisies; N. Z. shrub; lvs white-felted beneath; cliff plant; 3 ft; will stand 15 degrees Far.  
—*macroglossus*. SENE-43. 30¢  
Cape Ivy. Bright yellow daisies; climber. TP.  
—*Morroi*. SENE-45. 35¢  
N. Z. shrub; 6 ft; fls yellow in heads a good ¼" across; corymbs.  
—*Purshiana*. SENE-58. 30¢  
Light gray foliage; bright yellow heads; 8 ft; HP.  
—*scandens*. SENE-66. 30¢  
Climber to 20 ft; loose panicles; yellow raw fls; 3-4 ft; HHP.  
—*Mixed*. SENE-X. 25¢

**SEQUOIA.** (see-KWOI-yah)

Taxodiaceae. The large evergreen tree of California, growing to 300 ft. They grow only near the sea coast where the fogs occur.

—*sempervirens*. SEQU-2. 30¢  
Redwood Tree. Oz. 75¢ ;lb. \$7.00.

### SEQUOIADENDRON

(see-kwoy-ad-DEN-dron) Giant Sequoia.

—*giganteum*. SSEQU-1. 50¢  
Giant Sequoia. This is the famous giant trees of California; specimens have been grown in central N. Y. or zone (IV). Oz. \$1.50.

**SERRATULA.** (sehr-RAT-yew-loh)  
Compositae. Perennials allied to Centaurea. Flowers are either single or in corymbs, of disk flowers; good plant for the border.

—*coronata*. SERR-1. 30¢  
**SESBANIA.** (ses-BAY-nee-uh)  
—*emerus*. SESS-3. 30¢  
(microphylla) Shrub; 16 ft; TSh; (X).  
—*Zambesiaca*. SESS-6. 30¢  
South Rhodesian species.

**SETARIA.** (see-TAY-ree-uh)  
Gramineae. Tender annual and perennial

## NATIVE FLOWERS

Do you have a popular native growing in your neighborhood? We would like to have you write us and to collect the seed.

**SETICEREUS:** see in list under **Cacti**.

## SHAMROCK.

—True Irish.

TRIF-20. 25¢

Easily grown; start early. Oz. 60¢.

## SHEPHERDIA.

(shep-HERD-ee-uh)

Elaeagnaceae. Shrubs and small trees, adapted to dry rocky soils and doing well near the sea shore; sow seeds in the fall or stratify.

—*argentea*.

SHEP-1. 30¢

Buffalo Berry. A thorny hedge shrub; very hardy; 1½ ft.

—*canadensis*.

SHEP-2. 25¢

Thornless; fruits red or yellow; very hardy; 8 ft.

## PLEASE NOTE

This issue is not a large one and should be all mailed out by early in the summer; by mistake the date on the first page reads January but should have been June; another issue is already being made up which will contain over 200 additional seeds as well as prices in ounce and pound lots of tree and shrub seeds, planted by nurserymen. If interested please write for a copy; there will be a charge of 25¢ made on future Catalogs, due to the high costs in postage and printing but there will be considerable culture information added to the next issue which alone is worth the 25¢.

## SAPONARIA.

(sap-on-NAY-ree-ah)

Soapwort. Caryophyllaceae. Easily grown hardy annuals and perennials, some of which are excellent for the rockery; flowers are red, pink or white, in cymes or panicles.

—*calabrica*, Mixed.

SAPO-3X. 25¢

Pretty edging or bedding plant with small starry fls in bright red, deep rose, white and blood-red, in profusion all summer; 6-9"; HA; space 6". Oz. 60¢.

—*Red*.

SAPO-3R. 25¢

—*White*.

SAPO-3W. 25¢

—*ocymoides*.

SAPO-8. 25¢

Bright pink fls in flat-topped clusters; RG or walls; trailer; 9"; HP. Oz. 90¢.

—*splendens*.

SAPO-8S. 25¢

Larger and deeper rose flowers.

—*Vaccaria rosea*.

SAPO-13R. 25¢

Pale pink fls, ½" across in loose cymes; popular for cutting; sow in Mar. or April; 2-3 ft; HA; space 18". Oz. 50¢.

—*White*.

SAPO-13W. 25¢

Oz. 50¢.

—*Mixed*.

SAPO-X. 20¢

All kinds mixed.

## SIDALCEA.

(sye-DAL-see-uh)

Malvaceae. Flowers are like miniature Hollyhocks, in spikes or clusters; thrive in rich sandy soils. The perennials bloom over a long period; good in the border.

—*Stark's Hybrids*.

SIDA-55. 25¢

A highly improved strain and extra color range; 3 ft; HP. ½ Oz. 90¢.

## COMMON NAMES.

We give many common names along with the descriptions but as it often happens these names may also be attached to other plants; besides our seed stocks are never listed under these name so when ordering never order by the common name.

## SILENE

(see-LEE-n-ee) Catch-fly, Campion. Caryophyllaceae. Annual, biennial and perennial plants in many species, most showy and valued both in the border and rockery. The seed of the annuals can be sown in the fall, and earlier flowers will be produced.

—*acaulis*.

SILE-1. 30¢

Pink fls; moss-like tufted perennial; May-August; HP.

—*elongata*.

SILE-1E. 35¢

—*alpestris*.

SILE-4. 25¢

Glistening white fls, ½" ac; panicles; in June-August; 6"; HP.

—*flora pleno*.

SILE-4D. 25¢

Double flowered form.

—*armeria*.

SILE-6. 25¢

Bright magenta; 1 ft; HP; sow in late fall —*Peach Blossom*.

SILE-6B. 25¢

Compact; flesh color; drooping racemes;

SILE-6P. 25¢

—*pendula*. Rose and white fls; 20"; HP.

—*New Art Shades*.

SILE-6A. 25¢

Dwarf; double fls; RG; HP.

—*All Armeria Mixed*.

SILE-6X. 20¢

—*falcata*. Low caespitose curly lvs; white, marked mahogany; scree; HP.

SILE-35. 40¢

—*flimbriata*.

SILE-36. 30¢

—*Fortunii*.

SILE-37. 25¢

Rose and white fls; best grown as HA; Sept; 3 ft; HP.

—*Frivaldszkyana*.

SILE-38. 25¢

Cream to white fls; Greece; 2½ ft; HHP.

—*Hookeri*.

SILE-48. 25¢

White or pink fls, 2" ac; lovely for RG; 5"; HP.

—*maritima*.

SILE-62. 25¢

Pretty white fls; RG; 5"; HP.

—*pendula, Rose*.

SILE-75R. 20¢

Rose fls, ½" ac; drooping racemes; 10"; HA. Oz. 90¢.

—*Bonnettii*.

SILE-75B. 20¢

Purplish fls; stems brownish red; 10"; HA.

—*Byou*.

SILE-75Y. 20¢

Double salmon-rose fls; 10"; HA.

—*White*.

SILE-75W. 20¢

—*Triumph*.

SILE-75T. 20¢

Compact double crimson; HA. Oz. 90¢.

—*Double Mixed*.

SILE-75DX. 25¢

—*Shaffta*.

SILE-100. 25¢

Rosy purple fls; RG; 6"; HP. Oz. 90¢.

—*Abbotswood Variety*.

SILE-100A. 30¢

—*Silene Mixed*.

SILE-X. 25¢

All kinds mixed.

## SILPHIUM.

(SILL-fee-um)

Compositae. Thistle-like herbs blooming the first year from seed.

—*integrifolium*.

SILP-2. 25¢

To 50 ft; fl-heads 2" across; Aug-Sept; (IV).

—*lacinatum*.

SILP-4. 25¢

Compass Plant. Yellow fls, 2" ac; 3 ft; attractive oak-leaf foliage; (III); HP.

—*perfoliatum*.

SILP-6. 25¢

Cup-Plant, Indian Cup. Flower heads 3" across, yellow; June-Sept; 6-8"; HP; (IV).

## SILYBUM.

(SILL-ib-um)

Compositae. Thistle-like herbs; bloom first year from seed.

—*mariannum*.

SILY-3. 25¢

(Carduus) Blessed or Holy Thistle. To

4 ft; heads 2½" ac; HA or HB. grasses; start indoors early and transplant out doors when frost danger has passed.

—*italica*.

SETA-1. 25¢

Fox-Tail Millet. Ornamental grass; 5 ft; TA.



—Mixed.

**SOLI-X.** 25¢**SOLLYA.**

(SOL-yah)

Pittosporaceae.

—*fusiformis*.Australian Bluebell Creeper. (*S. heterophylla*) Twining shrub; part shade; 6 ft; good ground cover; GH in North; (IX).**SOPHORA.**

(sof-FOH-ruh) Leguminosae. Showy ornamental woody plants when in bloom; flowers in terminal panicles or racemes, followed by cylindrical or 4-winged pods. They are not hardy in the North, especially the evergreen species.

—*Bothypes*.**SOPH-2.** 35¢

Yellow fls; 20 ft; (IX); N. Z.

—*japonica*.**SOPH-3.** 30¢

Japanese Pagoda Tree, Chinese Scholar Tree. Oz. 60¢.

—*pendula*.**SOPH-3P.** 30¢

Oz. 70¢.

—*microphylla*.**SOPH-4W.** 30¢

N. Z. tree with white fls; (IX).

—*secundiflora*.**SOPH-6.** 40¢

Mescal Bean. (IV). 100 seeds \$1.75.

—*tomentosa*.**SOPH-8.** 30¢—*treadwellii*.**SOPH-11.** 30¢

(Kowhei) Small tree of rather spreading habit having Maidenhair-like lvs; fls are golden yellow, a parrot's beak shape, in clusters in spring; Aust.

—*vicifolia*.**SOPH-9.** 30¢

Deciduous shrub to 8 ft; bluish violet fls in racemes; hardy in North.

—Mixed Seeds.

**SOPH-X.** 25¢**SOPUBIA.**—*angolensis*.**SOPU-1.** 40¢

Dainty pink fls; grayish lvs; erect; (IX).

—*leprosa*.**SOPU-4.** 40¢

Deciduous branched shrubby plant; 4 ft; pale gray, almost white, lvs; pretty pure white fls; found growing in water and marshy ground; very decorative; rare; S. Rhodesia; (IX).

## SORBUS

(SOR-bus) Mountain Ash. Rosaceae. Deciduous trees, hardy in the North; thrives in dry soils; sow seed when ripe or stratify over winter.

—*americana*.**SORB-2.** 30¢

American Ash. Tree to 30 ft; hardy.

—*Aria*.**SORB-5.** 30¢

White Bean Tree. To 50 ft.

—*Ancuparia*.**SORB-6.** 30¢

European Mt. Rowan. Oz. 50¢; lb. \$2.50.

—*commixta*.**SORB-9.** 30¢

To 25 ft; Japan and Korea.

—*domestica*.**SORB-13.** 50¢

Service Tree. (VII). Oz. \$1.60; lb. \$16.

—*scopulina*.**SORB-29.** 30¢

Mt. Ash. Montana; (II); Lb. \$1.50 d. b.

—*torminalis*.**SORB-32.** 30¢

Wild Service Tree. Oz. 50¢; lb. \$2.75.

—*Vilmorinii*.**SORB-34.** 50¢

California grown seed.

**SPARANTHE-RA.****SPAT-1.** 30¢—*species* (?).

'(spuh-RAX-iss)

Grandiflora, tricolor and albiflora, mixed.

**SPARAXIS****SPAX-X.** 30¢

Grandiflora, tricolor and albiflora, mixed.

**SPARTIUM.**

(SPAHR-tee-um)

Spanish or Weaver's Broom. Leguminosacae. Ornamental shrubs from So. Eu. and

hardy in (VI) zone.

—*junceum*.**SPAM-2.** 30¢  
Spanish Broom. (*Genista juncea*) (VII) Oz. 75¢; lb. \$3.00.**SPATHIPHYLLUM.**

(spath-if-FILL-um)

—*floribundum*.**SPAH-4.** 50¢  
Very rare seed; fine tropical plant from Columbia; belongs to the Arids; white fls.**SPATHODEA.**

(spath-OO-dee-ah)

Bignoniaceae. Tropical African evergreen trees suitable for the far South; they are very beautiful when in flower.

—*campanulata*.**SPHA-2.** 50¢  
Street tree for S; (X). 100 deeds \$1.50.—*nilotica*.**SPHA-3.** 50¢  
Nile Flame Tree. Orange-red fls; glossy bright foliage; pretty (IX).**SPECULARIA.**

(spek-yew-LAY-ree-uh)

Campanulaceae. Annuals resembling Bell-flowers; excellent for the rockery, border or for edging; easily grown from seed.

—*Speculum-Veneris*.**SPEC-3.** 25¢  
Venus Looking Glass. Edging; violet-blue, bell-shaped fls, 1" across; July-Sept; 1 ft; space 6"; HA.**SPHAERALCEA.**

(sfeer-RAL-see-uh)

—*rivularis*.**SPHA-12.** 30¢  
(Phymosia) Globe-Mallow. Very hardy; pink or white fls 2" across; 6 ft.**SPHEDAMNOCARPUS.**—*furrieis*.**SPHD-2.** 40¢  
Climbing shrub; glossy green leaves; (IX); lovely.—*pruriens*.**SPHD-1.** 40¢  
Climbing shrub; fls like rock roses; a bright yellow, ½" across; fruits winged and bright pink; very attractive; (IX).**SPHENOSTYLLIS.**—*marginata*.**SPHE-5.** 30¢  
From South Africa.**SPRAGUEA.**

(SPRAYG-ee-ah)

Pussy Paws. Portulacaceae. Small alpine plants with rosettes of thick fleshy evergreen leaves and heads of fluffy pink flowers on prostrate stems; excellent in the rockery in light shade.

—*multiceps*.**SPRG-1.** 30¢  
Dense heads, rose-purple fls; 6"; Wash-Wyo.

## SQUASH

Listed here are some of the rarer foreign types, not usually found in the regular seed catalog. If you have a vegetable garden, by all means try at least one.

—*cerberus*.**SQUA-1.** 25¢  
Extra early; deep green; summer Squash type; Oz. 50¢.—*Naples*.**SQUA-2.** 25¢  
Italian summer Squash of marrow type; excellent when stewed with tomatoes, etc. Oz. 45¢.

25¢ for sample Saier's Garden Magazine.

**STAPHYLEA.**

(staf-il-LEE-uh)

Bladder-Nut. Staphyleaceae. Ornamental shrubs or small trees with white flowers in terminal panicles and bladder-like fruits; most are hardy in the North; prefer partial

shade, moist rich soil; sow seed when ripe or stratify till spring.

—*pinnata*. STAP-8. 30¢  
European B. Fls in nodding racemes, 5" long; fruits 2" long.

**STAR OF TEXAS:** see *Zanthisma*.

**STATICE:** This genus has now been reclassified and all the species formerly listed under it are now under Ameria or Limonium, which see. (STAT-iss-ee).

**STENOCACTUS:** see in list under *Cacti*.

**STENOLOBIUM.** (sten-oh-LOH-be-um)  
—*stans*. STEN-1. 25¢

Yellow Elder or Yellow Bells. An erect shrub or small tree with showy bell-shaped yellow fls borne in clusters; native along Gulf Coast to Fla where it is a popular ornamental.

—*velutina*. STEN-1V. 30¢  
Leaves pubescent underneath.

**STEPHANOTIS.** (steff-uh-NOH-tiss)  
—*floribunda*. STEO-2. 40¢  
Madagascar Jasmine; (X). 100 seeds \$5.00.

**STERCULIA.**

—*colorata*. STER-4. 30¢  
Ornamental tree; (VIII). Oz. 65¢.

—*platanifolia*: see *Firmiana simplex*. The Chinese Parasol Tree or Phoenix Tree.

**STEVIA:** see *Piqueria trinervia*. The florist Stevia.

**STEWARTIA.** (stew-ART-ee-uh)  
N. Amer. and Asian shrubs and trees, with showy white fls; ornamental; fairly hardy in the N; mixture of peat and loam best.

—*koreana*. STEW-1. 50¢  
Korean Tree to 50 ft.

—*monadelpha*. STEW-4. 50¢  
Japanese tree to 80 ft.

—*Pseudo-Camellia*. STEW-7. 30¢  
Tree to 50 ft; fls 2½" across, with white stamens and orange anthers.

**STILLINGA.** STIL-1. 30¢  
—*sylvatica*.

Queen's Delight. Tassel-like fls; 2½ ft; (VII); HP.

—*sebifera*: see *Sapium sebiferum*.

**STIPA.** (STY-pa)  
Spear or Feather Grass. Gramineae. Perennial ornamental grasses, with awn-like spikelets borne in panicles and very popular as an ornamental grass.

—*pennata*. STIP-3. 20¢  
Very pretty; tufted to 3 ft; dense plumes; HP.

**STIZOLOBIUM.** STIZ-6. 40¢  
—*pruritum*. Cowage, Cowitch. (X). 100 seeds \$3.00.

**STOCKS:** see *Mathiola* and *Malcomia*.

**STOKESIA.** (stoh-KEEZ-ee-uh)  
Stoke's Aster. Compositae.

—*laevis v. Blue Moon*. STOK-1BM. 25¢  
A pretty HP Compositae, requiring some

protection in the N; easily grown from seed; well drained sandy soil best.

**STRANVAESIA.** (strau-VEEZ-ee-uh)  
—*Davidiana*. STRA-2. 30¢

## STRAWBERRY

The varieties offered here are grown from seed each year and fruit the same year; they are planted very much in Europe. It may be best to sow the seed late in the fall to germinate in the spring.

|                             |              |
|-----------------------------|--------------|
| — <i>Baron Solemacher</i> . | STRW-2Y. 20¢ |
| Yellow fruited variety.     | Oz. \$2.50.  |
| — <i>Red Fruited</i>        | STRW-2R. 20¢ |
| Oz. \$2.50.                 |              |
| — <i>Harzland</i> .         | STRW-2H. 25¢ |
| A new large red variety.    |              |
| — <i>Rugen</i> .            | STRW-2G. 20¢ |
| Large red fruits.           | Oz. \$2.00.  |
| — <i>Mixed</i> .            | STRW-2X. 20¢ |

**STRELITZIA.** (strel-LITT-see-ah)

Bird-of-Paradise Flower. Musaceae. SO. African perennials with banana-like leaves and odd shaped fls; hardy in the far S and good tub plants in the N.

|                                       |                             |
|---------------------------------------|-----------------------------|
| — <i>augusta</i> .                    | STRT-2. 50¢                 |
| Bird-of-Paradise Flower.              | GH; (IX). 100 seeds \$6.00. |
| — <i>Nicolai</i> .                    | STRT-3. 50¢                 |
| To 18 ft; white fls with blue tongue; | lvs 4 ft wide; (IX).        |
| — <i>parvifolia</i> .                 | STRT-4. 50¢                 |
| Small leaved Crane's Flower; 4 ft.    |                             |
| — <i>Reginae</i> .                    | STRT-6. 50¢                 |
| Yellow fls, dark blue tongue; 3 ft;   | 100 seeds \$15.00.          |

## STREPTOCARPUS

Cape-Primrose. Gesneriaceae. They are of easy culture and thrive in a cool GH; sow seeds in Feb. or March for flowering plants the following autumn and winter. (strep-toh-KAUR-pus).

|                            |              |
|----------------------------|--------------|
| — <i>Hybrids</i> .         | STRP-4. 35¢  |
| Gold Medal Strain.         |              |
| — <i>polyanthus</i> .      | STRP-7. 50¢  |
| — <i>Rexii</i> .           | STRP-8. 50¢  |
| Blue or mauve flowers.     |              |
| — <i>Wendlanii</i> .       | STRP-10. 50¢ |
| Violet-blue flowers; 2 ft. |              |

## STREPTHONTHERA.

—*cuprea*. STRH-1. 35¢  
S. African cormous plant belonging to the Ixia family; (IX); HBb.

**STROBILANTHES.** ..(stro-bil-ANT-thes)

Acanthaceae. Plants and shrubs or tropical Asia, grown in the open in the South; the flowers and foliage are very attractive.

—*isophyllus*. STRO-4. 30¢  
Willow-like leaves; pinkish fls; 3 ft.

## STROPHANTHUS.

|                   |             |
|-------------------|-------------|
| — <i>gratus</i> . | STRP-1. 40¢ |
| 100 seeds \$4.00. |             |

## STYPHELIA.

|   |             |
|---|-------------|
| — <i>vireidis</i> .                       | STYL-2. 25¢ |
| Five-Corners. Greenish tubular fls; 6 ft; | Australia.  |

Start nearly all biennials and perennials up to August 1st; some even later.

**STYLOMEECON.**—*heterophylla*.

**STYL-8.** 30¢  
Attractive Poppy-like plant, native of California; sunny spot, light well drained soil; satiny Poppy-like fls, orange-scarlet, with dark maroon centers; July-Sept; 18"; HA.

**STYRAX.**

(STYE-rax)  
Styraceae. Shrubs and trees with showy white fls in racemes, followed by fruits; few are hardy in the North; light soils.

—*americana*.

Hardy in (IV) zone; 10 ft.

**STAX-1.** 25¢—*japonica*.

Fragrant fls; 20 ft; (IV). Oz. 70¢.

**STAX-6.** 25¢—*Obassia*.

Fragrant fls; 30 ft; (IV). Japan

**STAX-8.** 25¢—*Mixed*.**STAX-X.** 25¢**SUTERA:** see *Chaenostoma Burkeana*.**SUTHERLANDIA.** (suther-LAND-ee-uh)—*frutescens*.**SUTH-1.** 30¢

S. Af. shrub to 5 ft; whitish, lacy, compound lvs; clusters of glowing orange-red fls; inflated bronze pods; (VIII); a good tub plant, flowering all summer.

**SWAINSONIA.**

(swain-SOH-nuh)

—*galegifolia*.**SWAN-3.** 50¢

Swainsona Pea. A shrub to 4 ft; fern-like foliage; dark pink to mauve pea-fls; Australia.

**SWEET BASIL:** see *Ocimum basilicum*.**SWEET PEAS**

(*Lathyrus odoratus*) Leguminosae. In the North they should be planted very early in the spring but in the South, plant late in the fall; sow direct to the soil, spacing them about 3" apart; do not allow to go to seed as they will stop flowering. One of the common mistakes in growing them is in not giving them a strong support at the base of the wire, this swings back and forth, usually too far thus pulling the roots loose; be sure, too, to provide a support as soon as they are 1" tall; they germinate in about 10 days. The varieties offered are the very best in their color.

**SPENCER VARIETIES:** The most popular for garden growing, especially in the North the (V) to (III) zones. The varieties listed are the best obtainable.

—*Bonny Briar*.**SPEA-1BB.** 25¢

Large rose-pink; excellent variety.

—*Burpee Best White*.**SPEA-1BW.** 25¢

White seeded; a very good white variety.

—*Capri*.**SPEA-1C.** 25¢

Clear silver-blue; strong stems.

—*Charming*.**SPEA-1CM.** 25¢

Pretty, flushed rosy cerise.

—*Chieftain*.**SPEA-1CH.** 25¢

Pure satiny mauve.

—*Elsree*.**SPEA-1EL.** 25¢

Bright pink on cream, shaded darker.

—*Excelsior*.**SPEA-1EX.** 25¢

Dandy scarlet-orange, wings a darker shade; strong stems.

—*Flagship*.**SPEA-1F.** 25¢

Deep navy-blue shaded darker; nice.

—*Flamingo*.**SPEA-1F.** 25¢

An orange-scarlet-cerise; one of the most attractive varieties.

—*Gigantic*.**SPEA-1G.** 25¢

Fine white; black seeded; GM winner.

—*Gold Crest*.**SPEA-1GC.** 25¢

Orange tinted salmon with darker shading; very showy

—*Grand Slam*.**SPEA-1GS.** 25¢

Beautiful cerise-scarlet, suffused.

—*Mastercream*.**SPEA-1M.** 25¢

Cream; black seeds; this is an excellent cream with stiff stems.

—*Mrs. R. Bolton*.**SPEA-1MB.** 25¢

A new deep salmon-pink; very large fls.

—*Mrs A. Searles*.**SPEA-1MS.** 25¢

A bright salmon-cerise.

—*Patricia Unwin*.**SPEA-1P.** 25¢

Salmon-pink suffused gold.

—*Pink Frills*.**SPEA-1PF.** 25¢

Rich salmon-pink on cream; a GM winner.; excellent variety.

—*Radar*.**SPEA-1R.** 25¢

Best salmon-pink; rich coloring.

—*Red Boy*.**SPEA-1RB.** 25¢

Pure rich crimson; long stems; vigorous.

—*Welcome*.**SPEA-W.** 25¢

Dazzling scarlet; strong stems.

—*What Joy*.**SPEA-1WJ.** 25¢

Deep rich cream; white seeded.

—*Windsor Blue*.**SPEA-1WB.** 25¢

Clear mid-blue; excellent color.

—*Youth*.**SPEA-1Y.** 25¢

White, edged rose-pink.

—*Formula Blend*.**SPEA-1FX.** 25¢**PRICES:** All above—Oz. 35¢; 1/4 lb. \$1.20.

**EARLY OR WINTER FLOWERING:** This group is equally satisfactory for garden or greenhouse growing. The varieties listed are the very best for greenhouse culture; all listed under their original names.

—*American Beauty*.**SPEA-2A.** 25¢

Rich crimson-rose, shaded deep crimson.

—*Annie Laurie*.**SPEA-2AL.** 25¢

Pure rose with white base; vigorous.

—*Ball Blue Supreme*.**SPEA-2BS.** 25¢

The best clear deep blue.

—*Ball's Rose Supreme*.**SPEA-2BR.** 25¢

Large wavy silvery rose-pink.

—*Blue Boy*.**SPEA-2BB.** 25¢

Beautiful dark blue.

—*Burpee's Orange*.**SPEA-2BO.** 25¢

Clear orange, shaded.

—*Cascade*.**SPEA-2C.** 25¢

Best white; white seeded.

—*Elk's Purple*.**SPEA-2EP.** 25¢

Large reddish purple; long stems.

—*Giant Pink*.**SPEA-2GP.** 25¢

Pink blended with soft rose; more intense on the edges.

—*Grenadier Improved*.**SPEA-2G.** 25¢

Dazzling crimson-scarlet; vigorous.

—*Kate Smith*.**SPEA-2K.** 25¢

Scarlet suffused rose; long stems.

—*Mars*.**SPEA-2M.** 25¢

A rich deep crimson.

—*Mrs. H. S. Reddick*.**SPEA-2R.** 25¢

Brilliant flesh pink, suffused salmon; immense flowers.

—*Orange King*.**SPEA-2GK.** 25¢

Glowing intense orange with crimson shading.

—*Oriental*.**SPEA-2N.** 25¢

Deep cream; black seeded; large flowers.

—*Princess Blue*.**SPEA-2PB.** 25¢

Rich bella donna blue; vigorous.

—*Shirley Temple*.**SPEA-2ST.** 25¢

Delightful soft rose-pink, fluted; long stems.

—*Supreme Orange*.**SPEA-2S.** 25¢

(Zvolanek's) Cerise wings, orange standards.

—*Twilight*.**SPEA-2T.** 25¢

A fine lavender.

—*Zvolanek's Salmon*.**SPEA-2Z.** 25¢

Salmon-cerise; large flowers; vigorous.  
—**Florist Blend.** SPEA-2X. 25¢  
**PRICES:** Any of above—Oz. 50¢; 1/4 lb.  
\$1.50; lb. \$3.50.

#### SPRING FLOWERING CUTHBERTSON:

A new intermediate season type, whose main recommendation is heat resistance. The colors are plainer and not as good as in the Spencers. They should be grown in the South where the regular types are not satisfactory.

—**Finest Mixed.**  
Oz. 35¢; 1/4 lb. \$1.00.

SPEA-3X. 25¢

—**Butterfly Hybrids.** SPEA-4B. 25¢  
A very gay and striking blend of striped colors in an unbelievable number of attractive color combinations. This variety has excellent vigor with four huge blooms on a strong stem. A new and unusual variety that should be grown in every flower garden. 1/2 oz. 50¢.

**SWEET WILLIAM:** see *Dianthus barbatus*.

#### SWERTIA.

—*bimaculata*. SWER-2. 25¢  
—*multicaulis*. SWER-4. 25¢  
From Himalayas; 3 inches; HP.  
—*speciosa*. SWER-9. 30¢  
White fls with dark blotches; Himalayas; HP.  
—**Mixed.** SWER-X. 25¢

#### SWIETENIA.

—*macrophylla*. SWIE-2. 35¢  
Mahogany. (X). Oz. 75¢.  
—*Mahogani*. SWIE-3. 50¢  
Mahogany .100 seeds \$300.

#### SYMPHORICARPOS. (sim-for-ik-KARP-os)

Campanulaceae. Biennials and perennials resembling Campanulas; fls white violet, nodding, bell-shaped; grow as for Campanulas.

—*albus*. SYMC-2. 30¢  
(S. racemosa) Waxberry. Oz. 60¢.

#### SYMPHYANDRA.

—*orbiculatus*. SYMP-8. 50¢  
Coral Berry. 7 ft. C. s. Oz. \$1.00.

#### SMPLOCOS. (sim-FLOH-kos)

Sweet-leaf. Symplocaceae. Trees and shrubs of ornamental value; seeds are slow to germinate.

—*paniculata*. SYMP-1. 30¢  
Deciduous tree; 30 ft; white, fragrant fls; blue fruits; HTr.  
—*thaefolius*. SYMP-3. 30¢

#### SYAGRUS.

—*campestris*: see *Cocos campestris*. Palm.  
—*Weddelliana*. SYAG-5. \$1.00

Sow in January in flats; a good pot plant for GH; 100 seeds \$6.00. Orders should be placed well in advance at least 6 months.

#### SYMPHYANDRA.

Campanulaceae. Biennials and perennials resembling Campanulas; white or violet fls, nodding, bell-shaped. Grow as for Campanulas.

—*Hofmannii*. SYMD-3. 30¢  
White or violet nodding fls 1 1/2" long in terminal panicles; 2 ft; Bosnia; (IV).

#### SYNCARPIA. (syn-CAR-pee-ah)

Myrtaceae. Australian ornamental trees

with white flowers; hardy in the South.

—*glomulefera*.

SYNC-1M. 50¢

Turpentine Tree. Handsome tr to 150 ft; warm regions; showy cream fls; good foliage; curiously formed seed cases.

#### SYNTHYRIS.

(SINTH-uh-riss)

Scrophulariaceae. Native N. Amer perennials with basal leaves and wheel-shaped, 4-lobed lvs in spikes or racemes; for border.

—*Hendersonii*.

SYNT-3. 30¢

Sky-blue fls, 1/4" long; RG; 3"; HP...

—*nova*.

SYNT-12. 50¢

Blue fls; found at 10,000 ft; Utah; HP.

—*Paysonii*.

SYNT-13. 50¢

Alpine; found at 9,500 ft; Idaho.

—*rubra*.

SYNT-22. 40¢

White woolly leaves tinged red; (III); HP.

#### SYRINGA.

(sihr-RIN-guh)

Lilacs. Oleaceae.

—*amurensis v. japonica*.

SYRI-2J. 35¢

Manchurian Lilac. Oz. \$1.00.

—*vulgaris*.

SYRI-32. 30¢

Lilac. Seed saved from the best named varieties with some good reds. Oz. c. s. 90¢.

#### TABEBUIA.

(tab-eh-BOO-yuh)

Bignoniaceae. Tropical evergreen trees and shrubs; they are very beautiful; thrives in rich soil; (X).

—*pallida*.

TABLE-4. 40¢

Tree to 50 ft; fls 3" long; evergreen; (X); tropical.

#### TACCA.

(TAK-uh)

Taccaceae. Perennials from warm regions and grown in the N as GH plants; rich soil.

—*cristata*.

TACC-3. 40¢

GH plant; basal lvs, 2 ft. long, 6" wide; dark purple green.

#### TALINUM.

(tah-LY-num)

Flame Flower. Portulacaceae. Many small fleshy perennials with erect clusters of pink, red or yellow flowers. Some hardy, others grown in tubs indoors during the winter.

—*okanogense*.

TALI-4. 40¢

A wee plant 1/2" high, covered with 1/4" pearly fls; HP.

—*paniculatum*.

TALI-5. 25¢

Red to yellow fls in panicles; 2 ft; (IX).

#### TAMARINDUS.

(tam-ah-RIM-dus)

Tamarind. Leguminosae. Tropical evergreen trees grown in the far South for ornament; the fruits are edible and used in drinks. Best in deep rich soil with plenty of moisture. .

—*indica*.

TAMA-1. 40¢

Tamarind. Tall tree; pale yellow fls. 1" across; (XI); germinate seeds with bottom heat.

#### TAMARIX.

....(TAM-uh-ris)

Tamaricaceae. Deciduous trees and evergreen trees and shrubs; heath-like lvs; will stand salt sprays; ornamental.

—*gallica*.

TAMX-7. 30¢

French Tamarisk. (V); cover seed lightly. Oz. 75¢.

#### TANACETUM.

(tan-uh-SEET-um)

Tansy. Compositae. Annuals and perennials grown as a medicinal herb as well as ornament.

**Balsamita.** CHRY-15. 25¢  
Old-fashioned herb; yellow daisy-like fls on 2-3 ft stems; young lvs in spring used in salads; has a minty flavor.

**Herderi.** TANA-4. 40¢  
Tansy. An English type.

**vulgare.** TANA-8. 25¢  
Common Tansy. Herb; 3 ft; HP.

**TARCHONANTHUS.** (tar-sho-NAU-thus)

**camphoratus v. litakunensis.** TARC-1. 30¢  
Wild Sage. Shrub; masses of pale yellow fls; seeds in a cottony ball; very attractive; S. Rhodesia; (IX).

**TAXODIUM.** (tax-OH-dee-um)

Bald Cypress. Taxodiaceae. Trees with needle-like leaves and fls in catkins. In the S sow seeds in December or very early spring or stratify in sand or peat for 30-60 days; mulch seed beds; germinates in 40-90 days.

**distichum.** TAXO-2. 30¢  
Bald Cypress. (IV). Oz. 40¢; lb. \$3.00.

**TAXUS.**

**baccata.** TAXU-1. 30¢  
English Yew. Sow seed in spring.

**pyramidalis.** TAXU-1P. 30¢  
**cuspidata.** TAXU-6. 30¢  
Japanese Yew. Oz. 90¢; lb. \$9.00, c. s.

**TECOMA.** (tek-KOL-muh)

**Smithii.** TECO-7. 35¢  
Australian shrub; (VI). Oz. 90¢.  
**stans:** see **Stenolobium stans.** Yellow Bells.

**TECOMARIA.** (tek-oh-MAY-ree-uh)

**capensis.** TECM-2. 40¢  
(Bignonia c.) Cape Honeysuckle. Fls orange-red, followed by fruits; (IX).

**TECTONIA.**

**grandis.** TECT-2. 40¢  
Teak. (X). 100 seeds \$3.00.

**TELEKIA:** see **Buphthalmum.**

**TELOPEA.**

Proteaceae. Australian ornamental shrubs; with red flowers in dense terminal head-like racemes; (IX).

**speciosissima.** TELO-4. 25¢  
N. S. W. Waratah. 8 ft; fls in globular heads, 2" across; very ornamental.

**TEMPLETONIA.** (temple-TOH-nee-uh)

Cocky's Comb or Red Bush.

**retusa.** TEMP-12. 40¢  
W. Australia shrub with masses of red fls in winter and spring; 4-6 ft; GH; (X). 100 seeds \$2.00. Coral Bush.

### TEPHROSIA

(Crotalaria) Leguminosae. Plants or shrubs with red, purple or white fls in racemes, followed by flat pods.

**candida.** TEPH-1. 25¢  
Shrub to 10 ft; white fls 1" long; pods 4" long; India.

**pubescens.** TEPH-4. 35¢  
S. Rhodesian species; (IX).

**virginiana.** TEPH-7. 30¢  
Yellowish purple fls, 3/4" long; Me. to Fla; HP.

**vogalii.** TEPH-8. 30¢  
Oz. 75¢.

Send 25¢ in stamps for Catalog  
Do not write letters on your orders, please.

**TERMINALIA.** (ter-min-NAY-lee-uh)

Indian Almond. Combretaceae. Pretty trees grown in the far South. Flowers are in racemes or spikes; easy.

**calamansanii.** TERM-3. 50¢  
Evergreen shade tree of South Seas; (X).

**TETRANEMA:** see **Allophyton mexicanum.**

**TETRAPANAX.** (tet-RA-pan-ax)

Araliaceae. Shrubs or small trees from warm regions;

**papyriferum.** TETR-1. 25¢  
Grown in the South; fls in umbels.

**TETRAPATHAEA.**

**tetrandra.** TETP-1. 30¢  
Slender climber with grossly lvs; fls greenish yellow; orange fruits; very showy and useful; fr. edible and relished by Pheasants; N. Z.

### THALICTRUM

Meadow Rue. Ranunculaceae. Perennials with flowers in panicles or racemes, without petals but with numerous drooping stamens. Some are very showy in masses in the border, others in the wild garden; easily grown, in well-drained loamy soil (thal-LIK-trum).

**adiantifolium.** THAL-1. 25¢  
(T. minus) Greenish yellow; fine cut foliage; 18"; HP.

**aquilegifolium.** THAL-5. 25¢  
Dainty and pretty; white fluffy or cream fls; 3 ft; HP.

**dipterocarpum.** THAL-14. 25¢  
Rose-mauve with drooping golden stamens; 4 ft; HP.

**flavum.** THAL-17. 25¢  
Yellow with bright yellow stamens; 4 ft; HP.

**foetidum.** THAL-19. 25¢  
Nodding greenish red fls; 3 ft; HP.

**polygamum.** THAL-36. 25¢  
White fls; 8 ft; HP.

**Mixed.** THAL-X. 25¢

**THEA.** (THEE-ah)

Theaceae. Evergreen trees and shrubs with showy white or pink nodding flowers; hardy in the (IX) zone.

**sisensis.** THEA-4. 25¢  
Tea. Shrub to 20 ft; lvs used for the tea of commerce; (IX).

**THELESPERMA.** (thel-ess-SPERM-uh)

Compositae. Some 10 species of American annuals and perennials, much like Coreopsis.

**ambiguum.** THEL-1. 25¢  
Brown-Eyed-Susan. Fl-heads with broad yellow rays, 1½" long; purplish disks turning brown; Colo; HP. Oz. 95¢.

**THELOCACTUS:** see in list under Cacti.

**THERMOPSIS.** (ther-MOP-siss)

Leguminosae. Easily grown perennials in open sunny positions; flowers are Lupin-like, in racemes. Sow seeds in the fall or spring over heat; useful in the border.

**caroliniana.** THER-1. 25¢  
Yellow fls in erect terminal racemes; 5 ft; HHP.

**lanceolata.** THER-5. 25¢  
Very hardy perennial; 1 ft; yellow fls in racemes.

### RHODODENDRONS

See additional list just in, in last pages.

**THESPESIA.** (thess-PEEZ-ee-uh)  
Penny Cress. Malvaceae.

—**populnea.** THES-1. 30¢  
One of the "tree hibiscus" group evergreen tree to 25 ft. bearing yellow hibiscus-like fls, turning purple by evening; resists salt spray; good street tree.

**THEVETIA.** (thee-VEE-tee-ah)  
Apocynaceae. Tropical trees and shrubs with large funnelform showy flowers in terminal cymes, followed by fruits, a fleshy drupe. Grown under glass in the North; will thrive in rich sandy soils.

—**peruviana alba.** THEV-1A. 25¢  
White Oleander. Tree to 30 ft.; white fls; fragrant.

**THLASPI.** (THLASP-ee)  
Penny Cress. Cruciferae. Annuals and perennials, hardy in the North, with white, rose or purplish flowers; good RG plants; some have large flat ornamental pods; easy.

—**alpestre.** THLA-1. 25¢  
Tufted basal lvs; fls white, tinged red; 1 ft; HP.

—**densiflorum.** THLA-9. 25¢

—**praecox.** THLA-12. 25¢  
(Jankiae) White fls; 1 ft; basal lvs in rosettes; HP.

—**stylosum.** THLA-15. 25¢  
Rose fls in dense racemes; small alpine; H.P.

**THRINAX argentea:** see *Coccothrinax*.

## THUJA

(THEW-juh) Arbor-Vitae, Cedar. Pinaceae. Germinate in shade with sand on moist material, as rotting wood, decayed moist material or peat; germination usually occurs during May or June; seed can be stratified 1-2 months in moist sand.

—**occidentalis.** THUJ-3. 25¢  
—**aurea.** THUJ-3A. 25¢  
—**orientalis.** THUJ-4. 25¢  
—**aurea.** THUJ-4A. 25¢  
—**compacta.** THUJ-4C. 25¢

**NOTE:** We can supply most of the commercial species and varieties, in quantity lots; these will be listed in the next catalog which will be printed within 60 days or by August.

## THUJOPSIS.

Hiba Arbor-Vitae. Pinaceae. Pyramidal evergreen trees to 50 ft, allied to Thuja; Japan.

—**dolabratia.** THUO-1. 50¢  
Ornamental; (IV). Oz. 75¢; lb. \$5.50.

## THUNBERGIA.

(thun-BURJ-ee-ah)  
Clock Vine. Acanthaceae. Tender climbers from tropical regions and grown in the GH to be set out doors during the summer; they can be planted out side in the South; start seeds early in February or March.

—**fragrans.** THUN-5. 25¢  
Slender climber for GH; white fragrant fls 2" across.

—**Gibsonii.** THUN-7. 25¢  
Twining; TP; from E. Af; orange fls 2" long; (X); GH.

**THYMOPHYLLA.** (tye-moh-FILL-uh)  
Dahlberg Daisy. Compositae. Low growing annuals and perennials from S. and C. Amer.

## TENUILoba.

THPH-1. 25¢  
An excellent bedder; 1 ft; blooms in 4 months; full sun.

## THYMUS

Thyme. Labiate. Aromatic plants with a profusion of small flowers; they all like dry sunny locations and are easily grown from seed; they are liable to winter-kill in heavy soils.

### —**mastachinus.**

THYM-17. 40¢

### —**Serpyllum.**

THYM-23. 25¢

Prostrate sub-shrub; purplish fls; HP.

### —**lanuginosus.**

THYM-23L. 25¢

### —**vulgaris.**

THYM-24. 25¢

Common Thyme. Erect sub-shrub.

### —**Broad-leaf Winter.**

THYM-24B. 25¢

Also called English Thyme.

## TIARELLA.

(tye-uh-RELL-uh)

### —**Wherryi.**

TIAR-7. 50¢

Blooms from spring to fall; white fls flushed pink; 10"; HP.

## TIBOUCHINA.

(tib-oo-KYE-nuh)

Glory Bush. Melastomaceae. Tree-like shrubs of tropical Amer; grown in GH or in the South, standing probably to 30 F.

### —**bicolor.**

TIBO-1. 50¢

A very choice and rare species from Brazil; (X).

### —**semidecandra.**

TIBO-8. 50¢

(Pleroma macranthum) Purple fls 5" ac; Brazil.

## TILIA.

(TILL-ee-ah)

Basswood, Linden, Lime. Tiliaceae. Sow seeds in the fall or stratify; they thrive in any soil as long as it does not dry out.

### —**americana.**

TILI-1. 30¢

American Linden. Tall tree. d. b. lb. \$2.00.

### —**cordata.**

TILI-4. 30¢

Small Leaved Linden. Stratify seed in fall the fall. Oz. 50¢; lb. \$2.50.

### —**platyphyllos.**

TILI-20. 30¢

Large Leaf Linden. Oz. 50¢; lb. \$2.00.

### —**tomentosa.**

TILI-21. 30¢

White or Silver Linden. Oz. 50¢; lb. \$2.50.

## TINNEA.

(tin-NEE-ah)

Labiatae. Herbaceous or somewhat woody plants with whorls of 2-lipped tubular purple flowers; tender in North.

### —**abyssinica.**

TINN-1. 25¢

## TIPUANA.

(tip-yew-AN-ah)

Tipu Tree. Leguminosae. S. Amer. trees with showy flowers in panicles; ornamental as well as the source for Rose-wood; (X).

### —**Tipu.**

TIPO-1. 30¢

(speciosa) Yellow fls followed by pods 3" long; 30 ft. Oz. 90¢.

Send 25¢ in stamps for Catalog

## TITHONIA

(ti-THOH-nee-ah) Mexican Sunflower. Compositae. Robust growing plants from Mexico; tender annuals; start seed early and transplant out doors when frost danger has passed.

### ROTUNDIFOLIA: (speciosa)

TITH-2T. 25¢

### —**TORCH.**

The new G. M. Winner; orange-red fls;

|  |              |
|--|--------------|
| 3 ft; TA.  |              |
| —Fireball.   | TITH-2F. 25¢ |
| Brilliant scarlet flowers; 6 ft.                       |              |
| —Orange Vermilion.                                     | TITH-2V. 25¢ |
| Glistening scarlet; flowers like large single Dahlias. |              |
| —Mixed.  | TITH-X. 20¢  |

**ORNAMENTAL TOMATO.**

Small fruits with tough skin that dries and does not decay; grown much like ornamental Peppers or Cherries. **TOM-1. 20¢**

**TOFIELDIA.**

Liliaceae. A genus of perennials with fibrous roots and small flowers in terminal racemes.

—caerulea.

**TOFI-2. 40¢**

**TORENIA**

(toh-REEN-ee-uh) Scrophulariaceae. Floridai Pansies. Tropical perennials grown in the GH or as annuals in the North; in Florida they are used as a substitute for Pansies. The flowers are 2-lipped and much like Gloxinias; shady place; rich soil.

—Fournieri.

**TORE-4. 25¢**

Rich blue with golden centers; good for pots or bedding; 9"; TP.

—alba compacta.

**TORE-4A. 25¢**

Dense habit; white corolla, with yellow blotch; 9"; TP.

**TORREYA.**

(TORR-ee-uh)

Taxaceae. Evergreen trees native of N. America and Asia; yew-like lvs; hardy to (III); similar to Taxus.

—nucifera.

**TORR-4. 50¢**

Japanese tree hardy in (IV) zone in sheltered places; to 75 ft. **Lb. \$2.00.**

**TOWNSENDIA.**

(toun-SEN-dee-ah)

Compositae. Biennials and perennials resembling Asters very much; white, rose to violet fls with rays; not commonly grown but excellent for the rockery.

—alpina.

**TOWN-1. 50¢**

Charming plant with narrow silvery lvs; neat rosettes, each with an inch-wide daisy in the middle; rare.

—exscarpa.

**TOWN-2. 25¢**

Stemless, 1" tall; mauve with yellow disk; RG; pretty; HP.

**TRACHELIUM.**

(trak-KEEL-ee-um)

Campanulaceae. Throatwort. Perennials form the Medit. region; blue or purplish fls in dense terminal heads.

—caeruleum.

**TRAH-3. 30¢**

Deep blue fls; like Valerian; GH in N; (VI); 3 ft.

**TRACHELOSPERMUM.**

(trak-el-oh-S PER M-um) Apocynaceae.

Twining evergreen vines hardy only in the S.

—fragrans.

**TRAC-3. 25¢**

White fls; pods 9" long; tall climber; TP.

—jasminoides.

**TRAC-4. 50¢**

Star or Conedrate Jasmine. (IX); GH.

**TRACHYCARPUS.**

(trak-ik-KARP-us)

—Fortunei.

**TRAP-3. 35¢**

Windmill Palm. (VIII). **Oz. 70¢; lb. \$4.00.**

**TRACHYMEDE.**

(trak-KIM-en-ee)

—caerulea.

**TRAH-1. 25¢**

(Didiscus caerulea) Blue Lace Flower;

2 ft; HA. While the flower is very pretty it can become a weed in this climate and when thru flowering should be cut.

**TRADESCANTIA.** (trad-es-KANT-ee-ah)

Spiderwort. Commelinaceae. Perennials with blue, rose, purple and white flowers in umbels; grown indoors or in hanging baskets or they can be grown in the borders.

—Beauty Blend.

**TRAD-X. 20¢**

Hardy species; 3 ft; HP.

**TRICHOCEREUS.**

(trik-oh-SEER-ee-us)

(Cactaceae) S. Amer; erect or procumbent; formerly in Cereus.

—chiloensis.

**TRIC-9. 50¢**

**TRICHOSANTHES.**

(trik-os-ANTH-ee-ez)

—Anguina.

**TRIS-1. 25¢**

Serpent, Snake or Club Gourd. Climber; long fruits; interesting to children.

**TRIFOLIUM.**

(trye-FOH-lee-um)

Clover. Leguminosae. Those listed have ornamental value.

—alpinum.

**TRIF-4. 25¢**

Red fls in loose heads; 4"; HP.

—repens.

**TRIF-20. 20¢**

Shamrock. This and Oxalis acetoselia said to be the true Irish Shamrock; HP.

—atropurpureum.

**TRIF-20P. 25¢**

Deep bronze-red foliage with green margins; HP.

**TRIGONELLA.**

(trye-gon-NELL-uh)

—coerulea.

**TRIG-3. 30¢**

Blue and white fls; 2 ft; HA.

—foenum graecum.

**TRIG-6. 30¢**

Common Fennegreek. Seeds of medicinal value; 2 ft; HA.

**TRIOSTEUM.**

—perfoliatum.

**TRIO-5. 25¢**

Horse-Gentian, Tinker's Weed, Wild Coffee. Ornamental purple fls, 3/4" long; followed by orange-yellow fruits; (III); 2-4 ft; HP.

**TRIPTERIS.**

(TRIP-ter-is)

Compositae. S. Af. plants and shrubs, not hardy in the North; flowers are daisy-like both ray and disk flowers; plant early in the spring.

—hyoseroides.

**TRIP-1. 25¢**

Golden yellow fls with black disks; 2 ft; pretty; HA.

**TRITOMIA:** see **Kniphofia**. Red-Hot-Poker

**TRITONIA.**

(trye-TOH-nee-uh)

—Mixed.

**TRIT-X. 25¢**

Culture same as for Gladiolus; (IV).

**TROLLIUS**

Globe Flower. Ranunculaceae. Are nice spring flowering plants in the border if planted in a low moist place with some shade; colors are yellow or orange and in form Buttercup-like; easy to start.

—albiflorus.

**TROL-2. 35¢**

White fls, 1 1/2" across; 1 ft; pretty; (III); HP.

—europaeus.

**TROL-8. 50¢**

Globe Flower. Lemon-yellow fls, 2" ac; 2 ft; HP.

—Orange Princess.

**TROL-8P. 25¢**

A pretty orange variety; 1 ft; HP.

—Lebedouri.

**TROL-19. 25¢**

Yellow fls; 2 ft; sunny spots in bog garden; HP.

—*patulus*.

Soft yellow fls; 2 ft; for the brookside; HP.

—*pumilus*.

Golden King Cup. 5"; fls 1" across; easy; HP.

—*Trollius Mixed*.

**TROPAEOLUM.**

(trop-PEE-ol-um)

—*peregrinum*.

Canary-Bird-Flower. A nice TA climber with canary-yellow fls, 1" across; 10 ft.

**TSUGA.**

—*heterophylla*.

Western Hemlock. Oz. \$1.50; lb. \$14.00.

—*Fertensiana*.

Mountain Hemlock. (Pettoniang); (II).

Oz. \$4.00

—*Sieboldii*.

Branchlets glabrous; Japan. Oz. 80¢.

**TULBERGIA.**

—*violacea*.

From S. Af; 30".

—South Rhodesian species.

**TULIP**

**TULB-3. 25¢**

**TULIPA**

Tulip. Liliaceae. Growing Tulips from seed is interesting, especially so with the species which come true from seed; seed germinates slowly and their growing is a challenge.

—*Batianii*.

Pale yellow; early; 6".

—*biflora*.

RG species; star-like fls, white or yellow; 5 inches.

—*turkestanica*.

Larger leaves; 4-5 flowers to stem.

—*Clausiana v. chrysanthia*.

Golden yellow vase-shaped fls; 6".

—*Fosterana*.

Large crimson flowers; robust growth.

—*Kolpakowskiana*.

TULP-26. 25¢

—*Kaufmanniana*.

TULP-25. 25¢

—*Gaiety*.

Beautiful; Water-lily-like; white, yellow and pink; 8".

—*praestans*.

Light red; Bokhara.

—*tarda*.

(dasytemon) Small; yellow fls.

—*Mixed*.

NOTE: We offer all Tulip species in bulbs which will be found in the Botanical Bulb List; either in this Catalog or in a separate booklet. Ask for it if interested.

**TULIP TREE: see Liriodendron.**

**TUNICA.**

Tunic Flower. Caryophyllaceae. Herbaceous annuals and perennials similar to the Dianthus in growth but smaller; for edging or the rockery.

—*saxifraga*.

Tufted; spreading; pink fls; HP.

**ULETEROSIDEROS.**

—*tomeniosa*.

TUNI-2. 25¢

Blood-red fls; tree to 50 ft; N. Z.; (X).

**ULEX.**

—*europaeus*.

Grose, Whin. Sow in late spring; (VIII).

—*nanus*.

2 ft. Oz. 50¢.

**TROL-19P. 25¢**

—*pumilus*.

TROL-20. 25¢

Golden King Cup. 5"; fls 1" across;

easy; HP.

**TROL-X. 25¢**

—*Trollius Mixed*.

**TROP-7. 25¢**

—*peregrinum*.

Canary-Bird-Flower. A nice TA climber

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Canary-Bird-Flower. A nice TA climber

with canary-yellow fls, 1"

S. Af. tender bulb; handle like Amaryllis; good indoor pot plant; GH.

### VENIDIUM.

—*decurrens*.

Heads of golden yellow fls with dark centers; 2 ft; HHA.

**VENI-2. 25¢**

### VERATRUM.

False Hellebore.. Liliaceae. Perennials with thick roots; easy; border or wild garden.

—*nigrum*.

Blackish purple fls in panicles; lvs 1 ft long, 8" wide; 4 ft; HP.

**VERA-5. 40¢**

### VERBASCUM.

(ver-BASK-um)

Scrophulariaceae. Mostly tall hardy biennials; makes fine specimens in the back of the border.

—*paniculata alba*.

**VERS-18. 25¢**

—*phoeniceum hybrids*.

**VERS-119. 25¢**

Purple and red fls in racemes; 4 ft; HP.

—*virgatum*.

**VERS-32. 25¢**

—*Mixed*.

**VEHS-X. 20¢**

### VERBENA

(ver-BEE-nuh) Verbenaceae. Mainly perennials and highly prized for their profuse blooming; in the North they are grown as HA but in the far South as perennials; start indoors for early bloom; space 1 ft. apart; sunny places.

**TEUCRIODES:** Most of the popular garden varieties belong to this species. There are many new improved form developed in recent years.

—**Florist Dwarf Compact.** **VERB-1DC. 25¢**

NEW. Extremely uniform plants, dwarf and compact in habit, blooming 2-3 weeks earlier than regular strains. All plants produce blooms with eyes of bright contrasting shades, giving a harmonizing color combination of eyed kinds; many colors not found in other strains. It has special value for Florist use and flat growers, as it kill produce flowers in the flat; good also for pots and bedding. Oz. \$4.00.

—**SPARKLE.**

**VERB-1S. 25¢**

NEW. An entirely new class of Verbena; habit is dwarf and compact and completely eliminates the open or bare spots that develop in the centers of plants of the regular strains. SPARKLE is the sharpest color yet offered in Verbenas—a bright scarlet-red, greatly intensified by a large gleaming white eye. Oz. \$5.00.

—**Spreadiny Type.**

**VERB-1SX. 20¢**

Mammoth fls on spreading type plants. Mixed colors.

—**Hybrida grandiflora..**

**VERB-1B. 20¢**

New bush type. New brilliant blend of colors; dense flat heads, closely massed across the flat-topped plants; 8-10".

### OTHER SPECIES:

—*bipinnatifida*.

**VERB-2. 25¢**

Lilac-purple fls in loose clusters; showy; HP.

—*bonariensis*.

**VERB-3. 25¢**

Lilac fls in dense spikes; 4 ft; HA.

—*canadensis v. compacta*.

**VERB-5C. 25¢**

Large fls; grow as annual; mixed colors.

—*hastata*.

**VERB-10. 25¢**

Blue Vervain. Many 6" spikes of small blue fls, late in summer; 5 ft; HP.

—*laciniata*.

**VERB-21. 25¢**

Violet fls in short clover-like heads; grow as an annual.

### VERBESINA.

(ver-bes-SYE-nuh)

Compositae. Amer. plants and shrubs with yellow, orange or white flowers; solitary or in panicle heads.

—*encelioides*.

**VEBE-3. 25¢**

Golden yellow rays, 2" across; TA:

### VERNOMIA.

(ver-NOH-nee-uh)

Ironweed. Compositae. Herbaceous perennials in the N and trees and shrubs in the South; flowers are showy and in purple, pink or white heads of disk flowers, in terminal clusters. They bloom late in the summer and autumn; border or wild garden.

—*altissima*.

**VERN-1. 25¢**

Purple heads 1/2" across; 10 ft; (IV); HP.

—*gerberae-forrys*.

**VERN-5. 30¢**

Large purple-blue Cornflowers: S. Rhod.

—*glauca*.

**VERN-6. 25¢**

Deep blue; 1-2 ft; good for cutting; So. Rhodesia; TP.

—*melleri*.

**VERN-12. 25¢**

Sky-blue fls; large plant; TP; S. Rhod.

### VERONICA.

(ver-RON-ik-uh) Speedwell. Scrophulariaceae. Annuals and perennials popular in the rockery or border; hardy, free flowering and thriving in a sunny or light shady spot; easy.

—*Chamaedrys*.

**VERO-25. 25¢**

Germander Speedwell. Blue fls; 18".

—*Guthrieana*.

**VERO-44. 30¢**

Neat evergreen with blue fls; 9"; HP.

—*incana*.

**VERO-40. 30¢**

Blue fls in racemes; 6" long; 2 ft; Russia.

—*rupestris rosea*.

**VERO-79. 25¢**

Neat pink carpet; 2"; HP.

—*spicata, Mixed*.

**VERO-85. 20¢**

Blue, reds, pinks and white; 18"; HP.

—*Blue Shades*.

**VERO-80B. 25¢**

—*Dwarf Varieties*.

**VERO-80DX. 25¢**

### VERTICORDIA.

—*niteus*.

**VERT-12. 40¢**

### VESCARIA.

—*gracea*.

**VESI-2. 30¢**

Bladder-pod. Yellow fls; inflated pods; (VI); HP.

—*utriculata*.

**VESI-6. 40¢**

1 1/2 ft; HP.

### VETHEIMIA.

—*viridifolia*.

**VETH-4. 25¢**

African bulbous plant; fls yellow tinged red; 1 1/2 ft; TBb.

### VIRBURNUM

(vy-BURN-um) Snowball. Caprifoliaceae.

One of the most popular ornamental shrubs. They also make excellent refuge for birds as well as food during the winter, all kinds of wild-life relish their berries. Seed can be planted in the fall in border lands or edges of woods or stratify them for spring planting; they germinate readily.

—*acerifolium*.

**VIB-1. 25¢**

Maple-leaf V. White fls in cymes in the spring, followed by purplish black fruits; foliage turns reddish in fall; HSh.

—*dentatum*.

**VIB-20. 25¢**

Arrow-wood. White fls on long stemmed cymes; (III); 15 ft.

—*dilatatum*.

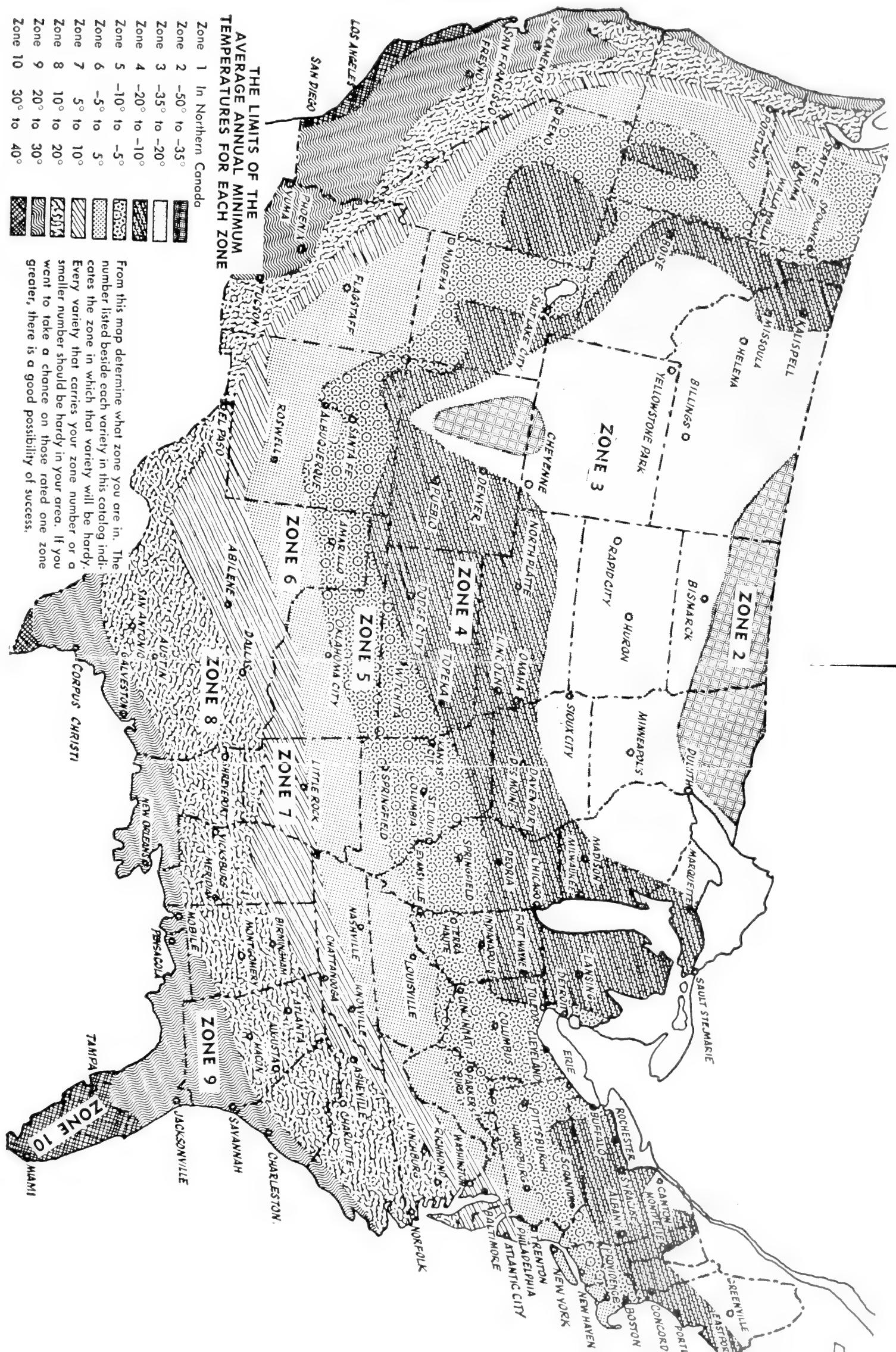
**VIB-21. 30¢**

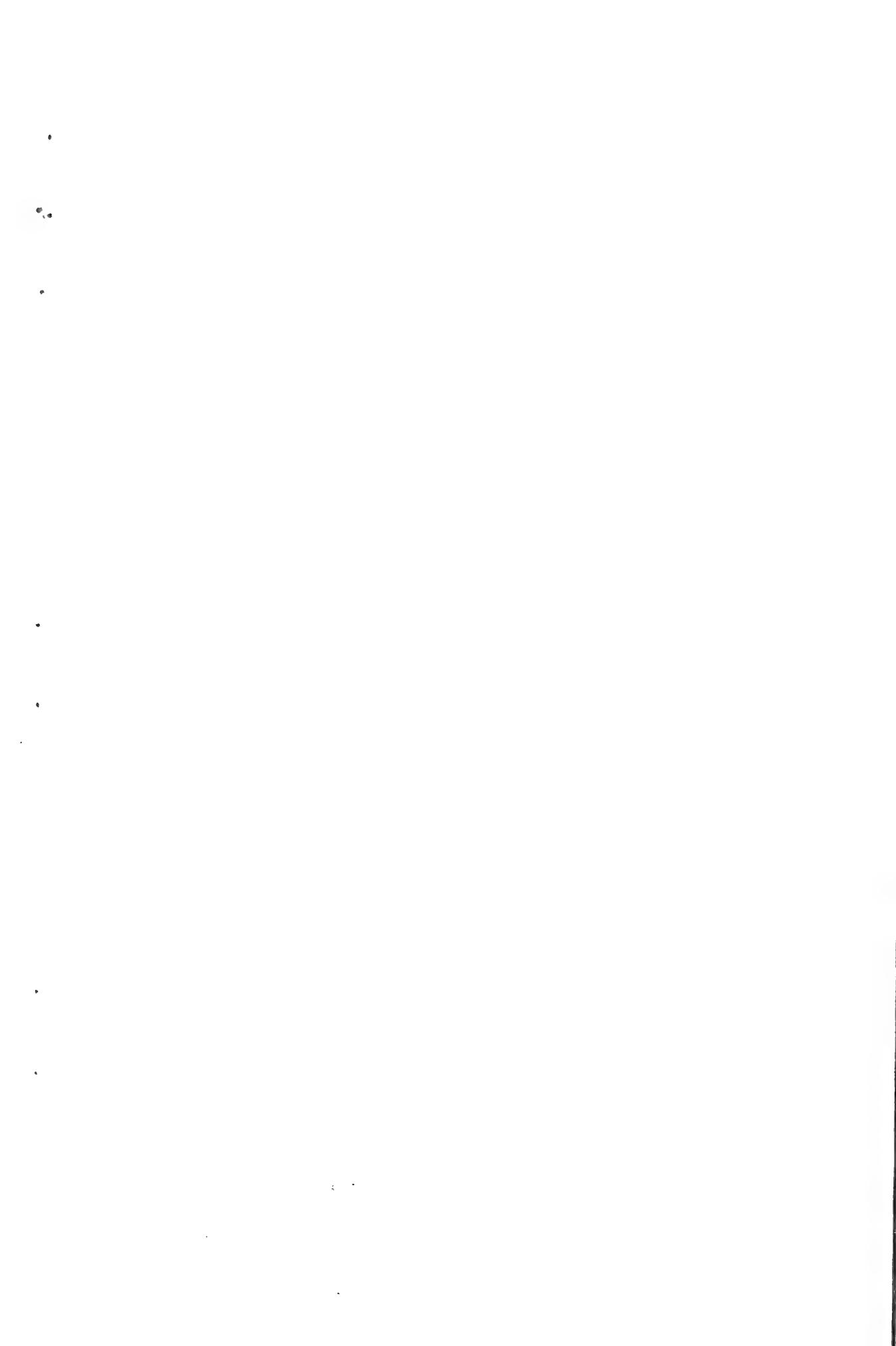
White fls; heads 5" across; fruits scarlet; 10 ft; Japan. Oz. 65¢; lb. \$4.00.

—*fragrans*.

**VIB-25. 25¢**

White or pink fragrant fls in panicles,



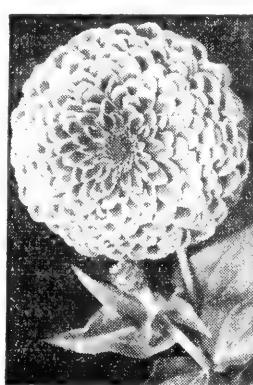
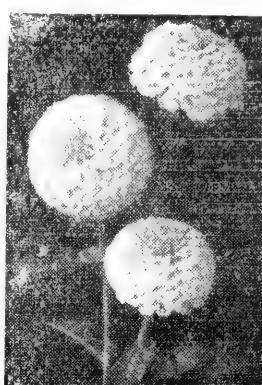


|   |                 |   |
|---|-----------------|---|
| 2" long; black fruits; 10 ft.   | VIB-56. 25¢     | Light violet-blue; very pretty.   |
| — <b>Lantana.</b><br>Wayfaring Tree. Sow seed in fall or early spring. Oz. 40¢; lb. \$2.00.   | VIB-43. 30¢     | — <b>Blue Gem.</b> VIOL-1BG. 25¢<br>Jersey Gem. Compact violet-blue.  |
| — <b>nervosum.</b><br>Himalayan species.  | VIB-46. 30¢     | — <b>Chantreyland.</b> VIOL-1C. 25¢<br>Pure apricot; free flowering.  |
| — <b>odoratissimum.</b><br>White fragrant fls; red fruits turning black; 10 ft; evergreen. Oz. 70¢; lb. \$4.50.   | VIB-47. 25¢     | — <b>Jersey Gem.</b> VIOL-1JG. 25¢<br>Pure white; extra.  |
| — <b>opulus.</b><br>Cranberry-bush. Oz. 50¢; lb. \$5.00.  | VIB-50T. 25¢    | — <b>White Gem.</b> VIOL-1W. 25¢<br>A fine wine-red.  |
| — <b>plicatum v.tomentosum.</b><br>White fls in cymes 4" across; Japan; 10 ft. Oz. 60¢; lb. \$4.00.   | VIB-60. 30¢     | — <b>Ilona.</b> VIOL-1L. 25¢<br>A fine wine-red.  |
| — <b>rhytidophyllum.</b><br>Yellowish white fls; China; 10 ft. Oz. 50¢; lb. \$5.00.   | VIB-56. 25¢     | — <b>King Henry.</b> VIOL-1H. 25¢<br>Deep violet with a heavenly-blue center, bright eye.   |
| — <b>Sargentii.</b><br>Flowers in 4" cymes; scarlet fruits; 12 ft. Oz. 60¢; lb. \$4.50.   | VIB-65. 30¢     | — <b>Lord Nelson.</b> VIOL-1N. 25¢<br>A large flowered violet-purple.   |
| — <b>Sieboldii.</b><br>Creamy white fls in panicles, 4" long; 10 ft; Japan....Oz. 60¢; lb. \$5.00.  | VIB-69. 30¢     | — <b>Lutea splendens.</b> VIOL-1S. 25¢<br>Deep golden yellow.   |
| — <b>trifolium.</b>   | VIB-77. 30¢     | — <b>lutea.</b> VIOL-1SL. 25¢<br>A yellow variety.  |
| — <b>Wrightii.</b><br>White fls in cymes, 4" across; Japan; 10 ft. Oz. 60¢; lb. \$4.50.   | VIB-X. 25¢      | — <b>papillo.</b> VIOL-1P. 25¢<br>Light blue with white spots.  |
| — <b>cassinoides.</b><br>White-rod. White fls in cymes 5" across; June-July; fruits bluish black; (III); 12 ft.   | VIB-13. 30¢     | — <b>Purple Bedder.</b> VIOL-1PB. 25¢<br>A new English variety.   |
| — <b>Mixed.</b>   | VIB-X. 25¢      | — <b>Scotch Strain.</b> VIOL-1SX. 25¢<br>Nekest and best hybrids, mixed colors.   |
| <b>VIDORELLA.</b> (vid-o-RELL-ah)   | (vid-o-RELL-ah) | — <b>Thuringia.</b> VIOL-1T. 25¢<br>Dark blue with white eye.   |
| Seeds from South Rhodesia.  |                 | — <b>Gem Varieties Mixed.</b> VIOL-1GX. 25¢<br>A compact growing strain.  |
| — <b>residifolia.</b><br>Small bright yellow globular fl-heads; (X).  | VIDEO-1. 25¢    | — <b>Blend of Above Varieties.</b> VIOL-1X. 25¢   |
| <b>VIGNA.</b><br>(Catiang) Vine-like; (X); grow as an annual. Oz. \$1.00.   |                 | <b>VIOLA SPECIES:</b> It is probable that we may be short on some of these as the supply of seed is very uncertain and at time of printing the crop is not known. |
| <b>VINCA.</b>   |                 | — <b>adunca.</b> VIOL-2. 35¢<br>Very hardy woodland Violet; violet; 4".   |
| Erect or trailing plants; useful for ground cover or in vases or hanging baskets; thrives in moist shady places.  |                 | — <b>aetolica saxatilis.</b> VIOL-3. 35¢<br>Tiny and dainty; soft yellow fls; 2"; sun.  |
| — <b>rosea, Mixed Colors</b>  | VINC-4X. 25¢    | — <b>arenaria rosea.</b> VIOL-9. 35¢<br>(rupestris) Pale violet or white; 3"; HP.   |
| Sow seeds early in a warm place; a popular vine grown in GH for vase and window-box work.   |                 | — <b>bellidifolia.</b> VIOL-15. 35¢<br>Dwarf matted; violet or purple fls; 3".  |
| — <b>Pure White.</b>  | VINC-4W. 25¢    | — <b>Douglasii.</b> VIOL-34. 35¢<br>Orange-yellow, veined purple; gritty soil; 4"; Calif.   |
| — <b>Crimson.</b>   | VINC-4C. 25¢    | — <b>gracilis major.</b> VIOL-49. 35¢<br>Violet fls; 1 ft; Macedonia.   |
| — <b>White with Pink Eye.</b>   | VINC-4B. 25¢    | — <b>Hallii.</b> VIOL-53. 35¢<br>Upper petals dark violet; lower white; 4".   |
| — <b>Soft Pink.</b>   | VINC-4P. 25¢    | — <b>nigra, Black Imp.</b> VIOL-79. 35¢<br>Quaint little Pansies; black velvet, small eye.  |
| — <b>Rose.</b>  | VINC-4R. 25¢    | — <b>papillonacea.</b> VIOL-90. 35¢<br>Canadian Violet. Bright blue fls.  |
| <b>VIOLA</b>  |                 | — <b>parviflora.</b> VIOL-9. 30¢<br>— <b>purpurea.</b> VIOL-102. 35¢<br>Pink violet; Calif.   |
| (vye-OL-uh) Violet. Violaceae. The genus contains many attractive herbaceous perennials and a few annuals. The Violet and Pansy are the two most popular, both thriving in a rich soil and partial shade. During winter they require a mulch of leaves. The germination of Violet seed is different from Pansies; and the most successful results will be had by sowing Viola seed in flats in the fall and leaving them out all winter in the snow, when they germinate the first thing in the spring. |                 | — <b>saxatilis, Dawnside</b> VIOL-114D. 35¢<br>Johnny-Jump-Ups. This is an exceptional strain and it is very popular; best grown as an annual.                    |
| <b>VIOLA CORNUTA:</b> Horned Violets. More or less tufted Violets. They come in many varieties, of which, the best and most popular are listed here. They do best in partial shade, rich moist soil and where it does not dry out during the summer.  |                 | — <b>semperfivrens.</b> VIOL-116. 35¢<br>(sarmentosa) Yellow fls; decumbent.  |
| — <b>Admiration.</b>  | VIOL-1D. 25¢    | — <b>yakusimana.</b> VIOL-143. 50¢<br>Minute habit with tiny purple and white Pansies; HP.  |
| — <b>Arkwright Ruby.</b>  | VIOL-1A. 25¢    | — <b>Mixed Species.</b> VIOL-SX. 30¢  |
| Rich crimson with dark eye  |                 | <b>VITEX.</b>   |
| — <b>Bicolor.</b>   | VIOL-1B. 25¢    | — <b>Agnus-caste.</b> VITE-1. 30¢<br>Chaste Tree, Hemp Tree, Monk's Pepper Tree....Oz. 60¢.   |
|   |                 | — <b>lucens.</b> VITE-6. 30¢<br>Pretty tree; pink fls followed by red berries; glossy foliage; (X).   |
|   |                 | — <b>Mixed.</b> VITE-X. 25¢   |
| <b>VITTADINIA.</b>  |                 |   |
| Compositae. Similiar to Erigeron but native of N. Z., Australia and S. Amer; thick root-stocks; blue or white ray-fls and yellow disks; perennial; (IX).  |                 |   |

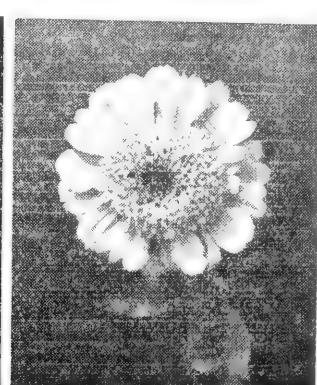
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|--|------------------|---|
| — <i>australis.</i>  | VITT-1. 30¢      | for dried flowers; sow seeds early in spring.   |
| ( <i>trilobia</i> ) Fls with white rays.   |                  | — <i>annuum, Mixed.</i> XERN-IDX. 20¢   |
| <b>VIRGINIA STOCKS:</b> see <i>Malcomia</i> .  |                  | Double flowers; 3 ft.   |
| <b>Viscaria:</b> see <i>Lychnis</i> .  |                  | — <i>Purple.</i> XERN-IDP. 20¢  |
| <b>WACHENDORFIA.</b>   |                  | — <i>Rose.</i> XERN-IDR. 20¢  |
| — <i>thyrsiflora.</i>  | WACH-1. 25¢      | — <i>White.</i> XERN-IDW. 20¢   |
| <b>WAHLENBERGIA.</b>   |                  | Any above: Oz. 60¢; lb. \$5.00.   |
| — <i>albo-marginata.</i>   | WAHL-1. 30¢      | <b>XEROPHYLLUM.</b>   |
| Erect blue or white bell-shaped fls; 8"; HP.   |                  | Liliaceae. Turkey-Beard. Nice perennial for the wild garden; fls in dense terminal racemes.   |
| — <i>grandiflora:</i> see <i>Platycodon grandiflorum</i> .   |                  | — <i>aspodeloides.</i> XERA-1. 35¢  |
| <b>WALLFLOWER:</b> see <i>Cheiranthus cheiri</i> .   |                  | Grass-like foliage; spikes 4 ft, topped by white stars; cuts well; best to sow fresh seed in mid-August, germinates in the following spring.  |
| <b>WASHINGTONIA.</b>   |                  | — <i>tenax.</i> XERA-5. 35¢   |
| — <i>filiifera.</i>  | WASH-1. 50¢      | Flowers in 2 ft. racemes; 5 ft; (IX); wild garden.  |
| Large Palm tree; (IX).   |                  | — <b>Double Mixed.</b> XERA-DX. 25¢   |
| — <i>robusta.</i>  | WASH-2. 50¢      |   |
| ( <i>sonorensis</i> ); (VIII). 100 seeds \$4.00.   |                  |   |
| <b>WATSONIA.</b>   |                  | <b>YUCCA.</b>   |
| — <i>Beatrixa.</i>   | WAT-3. 25¢       | (YUK-uh) Adams Needle, Spanish Bayonet, Joshua Tree. Liliaceae. Suitable for bold effect in the border or for specimen plants on the lawn; easily grown from seed.  |
| Rich apricot-red; 3 ft; Af. bulb; (IX).  |                  | — <i>aloifolia.</i> YUCC-1. 25¢   |
| — <i>Van Staveren's Strain</i>   | WAT-9V. 25¢      | Spanish Bayonet. (VIII). Oz. 60¢.   |
| Evergreen foliage; 5 ft; many colors; (IX)   |                  | — <i>brevifolia.</i> YUCC-6. 25¢  |
| <b>WIGANDIA.</b>   |                  | Josua Tree. 30 ft; (VIII).  |
| — <i>caracasana.</i>   | WIGA-1. 30¢      | — <i>filamentosa:</i> see <i>Smalliana</i> .  |
| Sub-shrub; 10 ft; pretty; (X). Oz. \$3.00.   |                  | — <i>glaucia.</i> YUCC-14. 30¢  |
| — <i>urens.</i>  | WIGA-5. 25¢      | Small S. Bayonet. Leaves 3 ft; 6 ft; (IV).  |
| Violet fls; leaves heart-shaped, 1 ft. long.   |                  | Oz. \$1.00  |
| — <i>macrophylla.</i>  | WIGA-1M. 40¢     | — <i>gloriosa.</i> YUCC-15. 25¢   |
| With good culture, leaves are 1½ ft wide and 3 ft. long; tropical effect; blue fls; 13 ft; (IX).   |                  | Greenish white to reddish fls; lvs 2½ ft; fls to 8 ft; HHP.   |
| <b>WISTERIA.</b>   |                  | — <i>mohavensis.</i> YUCC-20. 25¢   |
| — <i>floribunda v. macrobotrys.</i> WIST-2M. 40¢   |                  | Mojave Yucca. Purple-white fls; 10 ft.  |
| Japanese Wisteria. Racemes 3 ft long.  |                  | — <i>Smalliana.</i> YUCC-25. 25¢  |
| — <i>alba.</i>   | WIST-2A. 40¢     | Adams Needle. White fls; 12 ft; (IV).   |
| — <i>frutescens.</i>   | WIST-3. 30¢      | — <i>Mixed.</i> YUCC-X. 20¢   |
| Hardy in N; (IV). Oz. 50¢; lb. \$5.00.   |                  |   |
| — <i>sinensis.</i>   | WIST-9. 40¢      | <b>ZANTEDESCHIA.</b>  |
| — <i>alba.</i>   | WIST-9A. 40¢     | — <i>aethiopica.</i> ZAND-2. 30¢  |
| <b>WOODFORDIA.</b>   | (wood-FOR-de-ah) | Common Calla Lily. Oz. \$4.00.  |
| — <i>fruticosa.</i>  | WOOF-1. 40¢      | — <i>Godefroyana.</i> ZAND-2G. 25¢  |
| Small red fls; Indian tree of Crape Myrtle Family; (X).  |                  | Smaller and more profused bloomer.  |
| <b>WORMWOOD:</b> see <i>Artemisia Absinthium</i> .   |                  | — <i>Rehmannii.</i> ZAND-5. 25¢   |
| <b>WULFENDIA.</b>  |                  | Red Calla. Dwarf. Oz. 50¢.  |
| — <i>carinthiaca.</i>  | WULF-1. 40¢      |   |
| Hardy low perennial; blue tubular fls.   |                  | <b>ZEA:</b> see under <i>Corn</i> .   |
| — <i>alba.</i>   | WULF-1F. 40¢     |   |
| <b>XANTHISMA.</b>  | (xanth-IS-mah)   | <b>ZELKOVA.</b>   |
| Compositae. Annuals and perennials, native of Texas; solitary heads of yellow fls for  |                  | Ulmaceae. Deciduous Elm-like trees and shrubs; hardy in the North.  |
| ive of Texas; solitary heads of yellow fls; good in border as well as for cutting.   |                  | — <i>carpinifolia.</i> ZELK-3. 35¢  |
| — <i>texanum.</i>  | ZANT-1. 25¢      | ( <i>Z. crenata, Planera crenata</i> ) Caucasus; 80 ft.   |
| Star of Texas. Heads 2" across; 4 ft; TA.  |                  |   |
| <b>XANTHOCEAS.</b>   |                  | <b>ZEPHRANTHES Andersonii:</b> Habranthus   |
| — <i>sorbifolia.</i>   | XANT-1. 40¢      |   |
| Ornamental shrub; 15 ft; stratify seed best; (IV). 100 seeds \$2.00.   |                  | <b>ZIGADEMUS.</b>   |
| <b>XERANTHEMUM.</b>  |                  | — <i>gramineus.</i> ZIG-1. 25¢  |
| (zeer-ANTH-em-um) Immartelle. Compositae. Easily grown annual everlasting fls with solitary heads of disk flowers. They are good as cut flowers and very popular |                  | Nice for the wild garden; 1 ft; fls in racemes; (I); HP.  |
|  |                  |   |
|  |                  | <b>ZINGIBER.</b> (ZIN-jib-er)   |
|  |                  | — <i>officinalis.</i> ZING-3. \$1.00  |
|  |                  | Common Ginger. Rhizomes furnished.  |
|  |                  | <b>ZINNIA</b>   |
|  |                  | (ZINN-ee-uh) (Crasima) Compositae. A genus of some 10 species of which <i>Z. elegans</i> is our popular garden Zinnia; they are TA and may be started indoors for early flowering; a little pinching back will form better shaped plants; striking effect in the border |



Scabious Flowered

ZINNIA FLOWER TYPES  
Crown O'Gold

Lilliput



Howard's Giants

or they can be used for cut flowers. when it will be best to grow them in the vegetable garden.

**DAHLIA FLOWERED:** The plants in this type are 2½-3 ft with large Dahlia-like blooms; they are especially good for beds.

|                                      |              |
|--------------------------------------|--------------|
| —Canary Bird.                        | ZIN-1C. 20¢  |
| Rich canary yellow color.            |              |
| —Crimson Monarch.                    | ZIN-1S. 20¢  |
| Large showy deep crimson.            |              |
| —Dream.                              | ZIN-1D. 20¢  |
| Most unusual rosy lavender.          |              |
| —Exquisite.                          | ZIN-1E. 20¢  |
| Light rose with a deep rose center.  |              |
| —Illumination.                       | ZIN-1N. 20¢  |
| Deep rose self; extra good.          |              |
| —Gold Dawn.                          | ZIN-1GD. 20¢ |
| Rich golden yellow.                  |              |
| —Golden States.                      | ZIN-1GS. 20¢ |
| A beautiful golden yellow.           |              |
| —Luminosa.                           | ZIN-1L. 20¢  |
| A large luminous bright pink.        |              |
| —Meteor.                             | ZIN-1M. 20¢  |
| A rich red, the darkest of the reds. |              |
| —Oriole.                             | ZIN-1K. 20¢  |
| A very popular orange.               |              |
| —Polar Bear.                         | ZIN-1W. 20¢  |
| Large creamy white.                  |              |
| —Royal Purple.                       | ZIN-1RP. 20¢ |
| Best of the rich purples.            |              |
| —Will Rogers.                        | ZIN-1WR. 20¢ |
| Lovely brilliant scarlet-red.        |              |
| —Mixed Dahlia-flowered.              | ZIN-1X. 20¢  |
| Any of Above: Oz. 70¢; lb. \$6.00.   |              |

**GIANTS OF CALIFORNIA:** Plants are 3-4 high and the flowers are large flat heads on long stems; they are excellent for cut flowers as well as for bedding.

|                             |              |
|-----------------------------|--------------|
| —Brightness.                | ZIN-2B. 20¢  |
| A nice bright pink.         |              |
| —Cherry Queen.              | ZIN-2CQ. 20¢ |
| Brilliant cherr-red; showy. |              |
| —Crimson Queen.             | ZIN-2CU. 20¢ |
| Deep crimson.               |              |
| —Golden Queen.              | ZIN-2GN. 20¢ |
| A real rich golden yellow.  |              |
| —Grenadier.                 | ZIN-2G. 20¢  |
| A rich dark red.            |              |
| —Lavender Queen.            | ZIN-2L. 20¢  |
| Deep rosy lavender.         |              |
| —Miss Willmott.             | ZIN-2M. 20¢  |
| Large soft rich pink.       |              |
| —Orange King.               | ZIN-2K. 20¢  |
| —Orange Queen.              | ZIN-2R. 20¢  |
| Deep golden orange.         |              |

|                                    |             |
|------------------------------------|-------------|
| —Purity.                           | ZIN-2W. 20¢ |
| Best white.                        |             |
| —Rose Queen.                       | ZIN-2Z. 20¢ |
| Striking deep rose.                |             |
| —Scarlet Queen.                    | ZIN-2S. 20¢ |
| Glowing deep scarlet.              |             |
| —Mixed Giants of California.       | ZIN-2X. 20¢ |
| Any of Above: Oz. 70¢; lb. \$6.00. |             |

**FANTASY TYPE:** Petals are long, curved and pointed, resembling those of the night flowering Cactus; 4" across and 2" deep. plants 2½-3 ft.

|                          |              |
|--------------------------|--------------|
| —Gold Dust.              | ZIN-3G. 20¢  |
| Pretty golden orange..   |              |
| —Melody.                 | ZIN-3M. 20¢  |
| Orchid-lavender.         |              |
| —Orange Lady.            | ZIN-3L. 20¢  |
| Bright deep orange.      |              |
| —Star Dust.              | ZIN-3SD. 20¢ |
| Beautiful canary yellow. |              |
| —White Light.            | ZIN-3WL. 20¢ |
| Best pure white.         |              |
| —Fantasy Mixed.          | ZIN-3X. 20¢  |

**HARMONY or SCABIOUS TYPE:** Plants 2½-3 ft, bearing numerous medium sized flowers resembling annual Scabiosa or Harmony Marigolds. they have long stems and make excellent cut flowers.

|  |             |
|--|-------------|
| —Finest Mixed.   | ZIN-4X. 20¢ |
| —BLAZE.  | ZIN-4B. 25¢ |
| A new color in the Cactus flowered type; bursts into bloom with a profusion of brilliant mandarin-red flowers and, as the flowers attain size, change to an exciting fiery orange-scarlet. |             |

**PUMILA TYPE:** Dwarf double or Cut-and-Come-Again. Comes in the best pastel shades; 2-3 inches across, round in shape and on good length stems for cutting. blooming in 50 days.

|                                |             |
|--------------------------------|-------------|
| —Sunshine Tints.               | ZIN-6T. 20¢ |
| A rich blend in pastel colors. |             |

**PEPPERMINT STICK:** A new medium sized Pumila-type flowered Zinnia with the petals striped in various color combinations such as red and white; red and yellow; purple and white; carmine and white; and orange and yellow; about 70% striped flowers.

|             |             |
|-------------|-------------|
| —Best Mixed | ZIN-7X. 20¢ |
|-------------|-------------|

**SUPER GIANT HYBRIDS:** Extremely large flowered type.

—**Floradale Scarlet.**

A uniform scarlet, Cactus type blooms; slightly smaller than Dahlia-flowered; 2-2½ ft; blooms 5-6 inches across. Oz. \$1.75.

—**Burpee Giant Hybrids.** ZIN-8B. 25¢

This is a comparatively new class of Zinnias. The blooms immense and Cactus-type. Sturdy; blooms 65-inches across and in a full color range without a harsh color. Oz. \$1.75.

—**Riverside Beauty.** ZIN-8R. 25¢

A new Cactus-type Zinnia with flowers 5-6 inches across; a warm luminous azalea-pink. Oz. \$1.75.

—**Burpee Super Giants Mixed.** ZIN-8S. 25¢

An improved type; extra large blooms, 5-6 inches across of the California Giant type; colors tend toward pastel shades. Oz. \$1.75.

**EARLY WONDER TYPE:** Earliest of all Zinnias and especially good for short season sections. Plants 18-24", basal branching with many 3-4 inch flowers on long wiry stems having no laterals and almost no leaves.

—**Fandango.**

Salmon-cerice-pink.

—**Fiesta.**

The darkest red.

—**Gypsy.**

Shades of deep orange.

—**Padre.**

Bright scarlet.

—**Rose-pink.**

Mixed.

ZIN-9F. 20¢

ZIN-9E. 25¢

ZIN-9G. 25¢

ZIN-9P. 25¢

ZIN-9RP. 25¢

ZIN-9X. 20¢

**LILLIPUT or POM POM TYPE:** The Lilliputs are among the most popular Zinnias for cut flowers; the blooms are small, compact, symmetrical and on strong plants, 20" high.

—**Black Ruby.**

Blackish red flowers.

—**Canary Gem.**

Clear canary yellow.

—**Crimson Gem.**

Dainty Gem.

A dainty bicolor rose.

—**Golden Gem.**

Golden orange.

—**Lilac Gem.**

Purple Gem.

—**Rosebud.**

Lovely soft rose.

—**Scarlet Gem.**

Mixed.

Any Above: Oz. 80¢; lb. \$7.00.

ZIN-10B. 20¢

ZIN-10C. 20¢

ZIN-10R. 20¢

ZIN-10D. 20¢

ZIN-10GG. 20¢

ZIN-10L. 20¢

ZIN-10PG. 20¢

ZIN-10R. 20¢

ZIN-10. 20¢

ZIN-10X. 20¢

**CUPID ZINNIAS:** Dwarf compact little plants bearing quantities of button-like flowers smaller than the Lilliput type; for edging or pots.

ZIN-11G. 20¢

Burnt orange; an unusual color.

**ZINNIA SPECIES:**

—**gracillima.**

ZIN-13G. 20¢

Miniature deep scarlet flowers; 18-24".

—**Red Riding Hood.**

ZIN-13R. 20¢

Brilliant double red fls; very showy.

—**linearis.**

ZIN-14. 20¢

Single, orange striped petals; lasts well when cut; 10 inches high.

ZIN-15. 20¢

Zinniettes. Small double fls varied and variegated; wide color combinations; nice in an old-fashioned garden and miniature bouquets.

—**Presian Carpet.**

ZIN-15P. 25¢

A brilliant mixture of 1¼" fully double Haageana type flowers on 12" compact plants; the flowers are variegated and usually bicolor combinations, ranging from yellow to deep orange. This miniature Zinnia is ideal for border or bedding, producing a multitude of flowers suitable for small table bouquets. Oz. \$3.00.

**ZIZIPHUS.**

—**chinensis.**

ZIZI-2. 30¢

—**Jujuba.**

ZIZI-1. 30¢

Varieties mixed. Oz. 60¢.

## FLOWER SEED MIXTURES

**ROCK GARDEN PERENNIAL BLEND.**

MIX-3. Pkt. 25¢; ¼ Oz. 80¢.

This is a real collection for the Rock Gardener; contains a great many species all suitable for the Rock Garden. They can be sown any time between January and August just so they get a start by freezing weather. The early planting, of course, should be made indoors.

**HARDY BORDER BLEND.**

MIX-5. Pkt. 25¢; ½ Oz. 90¢.

This is made up of hardy perennials growing from 1 to 6 feet in height. All will make nice specimen plants for the hardy border. Sow the seed any time between January and August, starting the early sowing indoors.

**HOUSE PLANS BLEND.**

MIX-6. Pkt. 40¢.

The seeds in this mixture are all tender subjects and grown indoors. The seeds of this blend are all costly items and care should be used in planting them. This is an ideal collection for the shut-in. Try germinating them the 'casserole method'.

**ANNUAL CLIMBING VINES.**

MIX-2. Pkt. 20¢; ½ Oz. 40¢.

This collection is of interest to children as the seeds are mainly large and the vines very noticeable when growing. It would be best to plant them where they are to grow and here in Michigan when frosts may occur late in May, the seed would be best planted the first of May and towards the end of the month more seed can be planted between the others in case of frost damage.

**GENERAL FLOWER MIXTURE.**

MIX-8. Pkt. 20¢; Oz. 40¢; lb. \$2.50.

This contains over 1,000 different varieties and species of seed. The bulk of which are hardy in the corn belt; the mixture can be used for general planting most anywhere in the U.S. Suggest broadcasting in March or April and later start the seed more carefully.

**CUT FLOWER BLEND.**

MIX-1. Pkt. 20¢; Oz. 60¢.

This contains many different kinds of seeds suitable for cut flowers. They are hardy annuals as a rule and it would be best to plant them in rows, some in April and then another planting in May.

**AUSTRALIAN—NEW ZEALAND SEEDS.**

MIX-4. Pkt. 20¢; Oz. 80¢.

We list a great many seeds from both Australia and New Zealand and this blend contains seeds of all of them. Keep in mind that most of these will not stand a great deal of frost and thus would be especially useful in the South.

# RECOMMENDED GARDEN BOOKS

## SEED and POTTING COMPOSTS. \$1.75

By Lawrence and Newell. Rev. 4th edition, 160 pp., 30 figs., 122mo., cloth. London, 1950. New in dust wrappers.

The authors are the developers of the standardized John Innes composts. Their book shows how those remarkable composts save time, reduce the hazards of raising difficult plants from seed and simplify proper potting on the seedlings or cuttings to maturity. Complete formulas and methods of preparation are given.

## HERBAL DELIGHTS. \$2.75

Tisanes, syrups, confections, robs, vinegars and conserves. Mrs. C. F. Lyle; London; 1953. Demy 8vo. With 50 line drawings by Marion Rivers-Moore.

## PROPAGATION of HARDY TREES and SHRUBS. \$1.75

G. M. Taylor. 107 pp. 8 pp plates, Oxford, 1947.

A book designed to meet the needs of the amateur. Tells how to make cuttings, layers, grafting, etc. What shrubs and trees can be propagated from seed and how best to treat the seed in order to obtain the best results

## AUSTRALIAN WILD FLOWERS 75¢

National Handbook 9; 32 pp. 23 illus. (16 in full color). Melbourne, 1944. Gives notes on garden cultivation and identification lists of 106 wild flowers.

## THE PROPAGATION OF PLANTS \$3.50

By E. J. King. 8vo., illus. How to propagate every familiar garden plant and also many that are rare and unusual. The directions given should enable the amateur to be successful even with species supposed to be difficult. Professional propagators and nurserymen will also find the working direction they require. Paragraphs in the text are numbered to make cross references easy and there is also a full index. 3rd. edition.

## A B. C. of the GREENHOUSE \$1.50

Shewell-Cooper, 320 pp., 4 col. plates, 9 gravure plates; 27 line illus; 12 mo; cloth London, 1949.

## THE DAFFODIL. \$3.75

Its History, Varieties and Cultivation. The cultivation of all the important species and many hybrids with details of commercial productions, exhibiting and decoration. M. J. Jefferson-Brown. Demy 8vo. with 37 illustrations from photographs, 4 of them in color, 20 diagrams. London. 1953

## THE PROPAGATION OF ALPINES. \$3.75

An exhaustive book for the student, amateur, nurseryman and expert, admirably indexed. Lawrence D. Hills. Demy 8vo. with 87 line drawings and 44 illustrations from photographs, one of them in color.

## THE IRIS. \$3.00

This comprehensive study covers planting, cultivation and aftercare, diseases, selection of varieties and an authoritative table of all known species. Leslie Cave; Demy 8vo. with 4 colored plates and 35

photographic illustrations.

## FRITILLARIES.

\$4.25

Miss Beck treats the whole genus giving descriptions and details of cultivation. Christabel Beck. Royal 8VO. with 45 illus. from photographs, 4 of them in color. London, 1953.

## CAMPANULAS.

\$5.00

H. C. Crook. 255 pgs; 99 excellent half-tones of species; covers the genus very well as to history and descriptions. Anyone interested especially in Campanulas should have this book. It would make an excellent gift book.

## THE HERB GARDEN.

\$1.75

Mary T. Quelch. 232 pgs; 8 ills; treats the subject of Herbs mainly as to their use in various illnesses, viz., colds, asthma, constipation, indigestion; rheumatism, etc.; gives methods in making teas, tonics, etc.

## THE PRUNING MANUAL.

\$5.00

E. P. Christopher. 320 pgs; covers the subject of Pruning very completely; trees, fruits, shrubs ;methods; pruning tools; 12 ills. Every gardener should have a copy.

## GENTIANS IN THE GARDEN

\$3.00

149 pgs; by G. H. Berry. This is really a good practical book on Gentians. It is written by a practical grower and one who has a good investigative mind. There are several full page illustrations and one of G. farorna in color; a really good book.

Anyone who is growing alpine plants commercially should by all means have a copy of this book. It gives information on propagation that cannot be found in any other book; the author is practical.

## PLANT BREEDING FOR EVERYONE \$2.75

At last a simplified book that tells the amateur gardener how to grow his own varieties of fruits and flowers. Ills. with drawings and photos. Written in popular language (avoiding technicalities) and designed to aid the gardener in raising new plants for fun and profit.

## HERBS: HOW TO GROW THEM and HOW TO USE THEM.

\$3.00

Listed as America's leading reference on Herbs and their many uses. In "100 Best Garden Books," 5th revised edition; by Helen Noyes Webster.

## A.B.C. of ROCK GARDEN and POOL \$1.50

Shewell-Cooper. 204 pp. illus. London 1949. Quite comprehensive for its size, this book lists many plants usable for rock gardens and for pools. Gives cultural hints and tells you how to construct rock gardens and pools.

## THE SCENTED GARDEN.

\$3.75

Another Rohde classic. Revised edition of a standard volume for making aromatic gardens. Full of the lore and uses of scented plants. Eleanour Sinclair Rohde.

**PRICES QUOTED ARE POSTPAID.**

# THE VERY BEST IRIS VARIETIES

|  |                    |          |   |                    |          |
|--|--------------------|----------|---|--------------------|----------|
| <b>AIRY DREAM.</b>   | 3—\$0.40; 5—\$1.25 | 35¢      | <b>BERMUDA SANDS.</b>   | 3—\$1.50           | 60¢      |
| A soft clear pink self; 33"; L.  |                    |          | A heavily ruffled flower in a lovely light coffee-tan color, a glint of gold shining through to brighten the whole  |                    |          |
| <b>AL-LU-WE.</b>   | 40"; M             | 40¢      | The Dykes Winner for 1949; 36"; M.  |                    |          |
| A large bronze and red variegata, not commonly offered but is top-notch.   |                    |          |   |                    |          |
| <b>AMANDINE.</b>   | \$1.50             |          | <b>BLACK FOREST.</b>  | 90¢                |          |
| Refreshing cool lemon-cream; best of this color; AM; 36"; ML.  |                    |          | Deep satiny blue-black both in S and F; nicely formed; HM; 38"; ML.   |                    |          |
| <b>AMBASSADEUR.</b>  | .42"; ML*          | Each 40¢ | <b>BLACK HAWK.</b>  | 28"; VE            | 50¢      |
| An AM variety in hyssop and carmine; attractive.   |                    |          | Striking two-toned bloom; the standards a brilliant mulberry, falls intense violet-black, like black velvet.  |                    |          |
| <b>AMBROSIA.</b>   | 3—\$1.00           | 40¢      | <b>BLUE HILLS.</b>  | 50¢                |          |
| A strong grower and a pretty light pink with a showy tangerine beard; 36"; M.  |                    |          | Ruffled flowers in a showy cornflower-blue; 40"; M.   |                    |          |
| <b>AMIGO.</b>  | 3—\$1.25           | 50¢      | <b>BLUE RHYTHM.</b>   | 3—\$1.90           | 75¢      |
| An enchanting pansy color; striking contrast with clear light lavender standards foiled by the deep purple-velvet edged falls; HM; AM; 34"; EM.      |                    |          | Soft medium blue with a silvery tone, velvety in texture and a Dykes Winner in 1950; 38"; ML.   |                    |          |
| <b>AMITOLA.</b>  | 3—\$1.00           | 40¢      | <b>BLUE SHIMMER.</b>  | 3—\$1.90           | 5—\$3.25 |
| A pretty russet-pink, F a strawberry lavender with a gold blend, all set off with a pretty, broad, tangerine beard; 36"; L.                          |                    |          | The clearest tone blue, peppered on crisp enameled ivory-white. It is a charming plicata; HM; AM; 36"; M; DM-'38..  |                    |          |
| <b>ANGELUS.</b>  | 3—\$1.20; 5—\$1.60 | Each 50¢ | <b>BLUE TRIUMPH.</b>  | 3—\$1.20; 5—\$1.90 | 50¢      |
| A very distinct and beautiful color in a creamy lavender-pink. The petals are broad, large; substance heavy; HM; AM. pretty orange B; 36"; L.        |                    |          | The finest light blue, received both a HM; AM; 42 inches; M.  |                    |          |
| <b>ARAB CHIEF.</b>   | 75¢                |          | <b>BLUE VALLEY.</b>   | \$2.00             |          |
| This variety is a most attractive rich burnt orange, almost a henna tone. It is one of the brighter and most attractive and a favorite; HM; 36"; VL. |                    |          | Claimed to be the nearest to a true blue; large full ruffled flowers of fine form and sparkling sheen; 36"; ML.   |                    |          |
| <b>ARCTIC.</b>   | .50¢               |          | <b>BRANDYWINE.</b>  | 3—\$1.20; 5—\$1.80 | Each 50¢ |
| Profuse blooming; beautiful huge flowers of white and gold; AM.  |                    |          | Large silvery blue flowers; 36"; M.   |                    |          |
| <b>AT DAWNING.</b>   | 3—\$1.00           | Each 50¢ | <b>BRUNHILDE.</b>   | 36"; EM            | 50¢      |
| Beautiful pinkish white standards with a gold base; falls a soft rose, gold-veined throat and deep orange beard.                                     |                    |          | A very uniform dark rich violet-blue self with a blue cast beard; HM; AM.   |                    |          |
| <b>AVONDALE.</b>   | 50¢                |          | <b>BRYCE CANYON.</b>  | \$1.00             |          |
| A pretty strawberry-red; HM; 33"; M.   |                    |          | Huge flowers of a warm shade of henna-copper; fine form; bronze-yellow beard; 38"; ML.  |                    |          |
| <b>AZURE SKIES.</b>  | 3—\$1.25           | 5—\$2.25 | <b>BUCKSKIN.</b>  | 3—\$1.40           | 50¢      |
| A lovely ruffled pale lavender self. The standards are domed and flaring, falls almost horizontal, accented by a showy white beard; HM; AM; 33"; ML. |                    |          | This is by far the best tan colored Iris. It is a tall grower and bears many large blooms with large closed standards and wide flaring falls.             |                    |          |
| <b>BALDWIN.</b>  | 3—90¢; 5—\$1.25    | Each 35¢ | <b>BUFFAWN.</b>   | 3—\$1.40           | 50¢      |
| A large attractive lavender-blue color; HM; showy; 40"; M.   |                    |          | A beautiful soft pinkish self with the most brilliant red-orange beard. It is an unusual color; very pretty; 34"; E.                                      |                    |          |
| <b>BALLET GIRL.</b>  | 36"; EM            | 50¢      | <b>BURGUNDY ROSE.</b>   | \$1.00             |          |
| A very delicate shade of pink. It is a distinctive variety.  |                    |          | The color blend of this strong growing variety is very striking. Blooms are ruffed, large, a dark amethyst color and fleshy, large, a dark Bergundy-rose. |                    |          |
| <b>BEA ST HELENS.</b>  | 50¢                |          | <b>BUTTERCUP LANE.</b>  | 32"                | 50¢      |
| Dark red shade; lighter at edges; 38"; EM.   |                    |          | A very heavily ruffled clean bright yellow on strong stems. An ideal variety.   |                    |          |
| <b>BERKELEY GOLD.</b>  | 3—\$1.40           | 50¢      | <b>CALUTTA.</b>   | 3—\$1.40           | 50¢      |
| A deep clear yellow self of fine form. Color is intense and pure; HM; AM; 36".   |                    |          | Called a coconut-brown; very much like Amitola, except the F not as pink and with more gold at base; strong grower;                                       |                    |          |

## PLANTING DIRECTIONS FOR IRIS

There is nothing difficult in setting out Iris. The rhizome should be half out of the soil, but in planting some dirt can be drawn towards the rhizome so as to hold surface moisture. This high soil can be removed by the next spring, when much of it will naturally level off by the action of the rains and in hoeing.

When Iris are set out, say after September 15th, it is best to draw 2-3 inches of soil over the rhizome, just before freezing. This will keep most of the plants from heaving out during the winter; the first thing in the spring, go over the Iris and see that all rhizomes are pushed back into the soil and also draw some of the excess soil off the rhizomes.

All Iris plants should be well drained. Other than the above little else is of special importance.

## TALL BEARDED IRIS

attractive foliage, red at base; orange B; 42"; M\*.

**CALIFORNIA PEACH.** 38"; EM 50¢

A beautiful pink-peach and apricot color with much more gold and yellow in it than China Maid; HM.

**CAPT. CORAGEOUS.** 50¢  
Pretty rose-buff color not often found listed; 44'; M.

**CARFAX.** 48"; M 35¢  
A huge auricula purple flower.

**CAROLINE BURR.** 3-\$1.40 50¢  
Ivory overlaid with chartreuse; GM; AM; 45"; M.

**CASA MORENA.** \$1.00  
A rich, glowing coppery chestnut-brown; large attractive flower of the richeet color; AM; 38"; M.

**CASCADE SPLENDOR.** \$1.50  
A rich crimped flower of pink, apricot and tan blended into one color; showy orange B; heavy substance; 38"; L.

**CHANTILLY.** \$1.00  
A large ruffled orchid-pink; the edges of both S and F are heavily frilled; AM; 36"; M.

**CHERRIO.** 50¢  
One of the best early red bicolors, very popular. It is of good form and size.

**CHIEF SIDAR.** 50¢  
This is a beautiful rich colored rose-red close to The Red Douglas color; 46".

**CHINA MAID.** 50¢  
A very beautiful blend in shades of pink, golden copper and lilac, smoothly blended together; large size and fine form; HM; AM; 36"; E.

**CHIVALRY.** \$1.00  
Large, ruffled, deep blue flower; domed S; flaring F; vigorous; Dykes Medal, '47; a real nice blue; 36"; ML.

**CITY OF LINCOLN.** 3-\$1.25 Each 50¢

Rich golden yellow standards and bright velvety red falls. We like this variety very much and groups of it in the garden makes it stand out above all others; HM; AM; 42"; ML.

**CLARA NOYES.**

50¢  
A fascinating color blend in tones of yellow, orange and apricot.

**CLARIBEL.**

50¢  
Large flowered, vigorous white plicata with blue stitching.

**CHRISTABEL.**

3-\$1.45 50¢  
A very showy red; S frilled bronze-red; F deep velvety red; B showy brilliant yellow that gives the F an orange effect; 40"; M\*.

**COPPER LUSTRE.** 36"; M

50¢  
It definitely glows in its bright copper, gold and tan blendings, a very beautiful Iris. It was the 1938 Dykes Winner.

**CORAL MIST.**

3-\$1.35 50¢  
Coral pink and red; HM; 38"; EM\*.

**CORONET.** 42"; L\*

50¢  
A very pretty golden tan blend; HM; this is a real pretty variety for its color.

**CORRIDA.**

50¢  
Pretty sky-blue with darker veins; AM. 42"; L.

**CRYSTAL BEAUTY.**

50¢  
A clean white variety that should be in all collections, especially as it is not costly. 45 inches; ML.

**CYRUS THE GREAT.**

50¢  
A regal dark blue variety; HM; 38"; E.

**DAUNTLESS.**

50¢  
A favorite; dark magenta cast; 40"; M.

**DEEP VELVET.**

60¢  
Glistening red-violet shading to frosty claret-brown at the hafts; one of the best; 36"; ML.

**DEPUTE NOMBOLT.** 52"; M

50¢  
Huge claret-crimson variety; Dykes Winner; AM; a dandy.

**THREE RHIZOMES OF A VARIETY:**  
Any 50¢ variety 3 for \$1.00; 5 for \$1.60.

## MICHIGAN GROWN IRIS

Michigan grown Iris cannot be excelled. The soil and climate are ideal for all root growing plants.

Some sections in the West, produces a large showy white rhizomes, which comes from irrigation; these rhizomes are soft and we have found that at least a years start is lost in planting them.

Michigan rhizomes are not so large but they are solid and hard. Michigan winters tend, also, to produce a tough rhizome.

Where carriage charges are not paid by the shipper, the extra weight amounts to considerable, too.

## SHIPPING TIME

All the bearded Iris can be shipped beginning about July 20th. The Siberian and some of the species are shipped later.

**DESTINY.**

Velvety, blackish plum-purple and a rich, heavy flower of good form and stem. A fine dark blue; 36"; ML. 50¢

**DIRECTEUR PINELLE.**

A real nice large flower; S clear bronzed; B orange, very long and showy; 48"; M. 50¢

**DISPLAY.**

Mauve-rose to Spanish red; HM; 35"; M\*. 50¢

**DORE.**

S rich yellow; F whitish at base and with a yellow blotch at end; 40"; ML\*. 50¢

**DUKE OF BEDFORD.**

A real dark blue; nice flower; 34"; E. 50¢

**DYMYIA.**

A nice variety; S rich dark plum; F a little darker with a faint brown tinge at the base; 38"; M\*. 50¢

**ELLA CALLIS.**

A yellow flower, flushed orange on F; 36"; ML. 60¢

**EL TOVAR.**

Honey yellow and almost black; 36". 50¢

**EASTER MORN.**

42"; M\* 50¢  
A heavy textured white receiving both an AM and HM.

**ETHELWYNN DUBUAR.**

Orechid-pink; 36"; ML\*. 50¢

**ELMOHR.**

75¢  
Reddish mulberry; heavy substance; hardy; AM; DM; 36".

**FAIR ELAINE.**

35"; M 50¢  
An entrancing bicolor, pale primrose to cream-white standards and blazing rich gold falls. It is very attractive; HM; AM.

**ELSA SASS.**

3-\$1.40 50¢  
A lemon-ice color, frilled, with a white blaze in center of F; 30"; ML\*. 50¢

**FLORA ZENOR.**

40"; EM Each 50¢  
An exotic color blend of pale cameo-pink shading into hafts of a deeper rose, all set off with its vivid red beard; AM.

**FRANK ADAMS.**

50¢  
A rosy fawn bicolor with fawn-tan blend. AM; 48"; M\*. 50¢

**GLORIA GLOVER.**

A nice deep orchid-pink; 36"; L. 90¢

**GLORIOLE.**

50¢  
A huge frosty pale blue of excellent substance; HM; AM; 40"; M. 50¢

**GOLDBEATER.**

65¢  
Solid yellow; a gorgeous variety; good substance; 36"; M.

**GOLDEN HIND.**

50¢  
A very showy rich, clear, buttercup yellow and white; its richness is possessed by few Iris. The Dykes Winner for 1939. 30 inches; M.

**G. P. BAKER.**

3-\$1.20; 5-\$1.65 Each 50¢  
A masterpiece yellow, 12 blooms to the stalk; AM; Dykes Winner; 60"; M.

**GOLDEN FLEECE.**

3-\$1.40 50¢  
This is wholly unlike any other Iris. A lemon-colored flower with creamy falls

edged gold and beautifully ruffled, huge in size; HM; AM; 36"; ML.

**GOLDEN MAJESTY.**

3-1.25; 5-\$1.75 50¢  
Striking lovely rich golden yellow with a broad form and well branched stems. Its color is very even and rich; HM; AM. 40 inches; ML.

**GOLDEN SPANGLE.**

75¢  
A deeper Golden Fleece and one of the best golds; HM; 40"; EM.

**GOLDEN SPIKE.**

3-\$1.25 Each 50¢  
A splendid clear waxy deep yellow with a showy thick orange-yellow beard; AM. 36 inches; M.

**GOLDEN TREASURE.**

3-\$1.25 Each 50¢  
Solid deep cream with a rich golden orange all about the central portion of the flower. It stands out in any planting; very floriferous; 38"; M.

**GRACE MOHR.**

60¢  
Wide flaring F; color same as in Ormohr, a soft gray-lavender veined violet; the form is different, tho.

**GRAND CANYON.**

3-\$1.60 Each 60¢  
An outstanding blend of canyon colors, plum, copper and gold. It is slightly ruffled and must be seen to be fully admired; AM; 38"; M.

**GREAT LAKES.**

3-\$1.60; 5-\$2.30 60¢  
A pretty pure clear blue Iris. Petal texture is flaring and crisp, the beard almost white. It was the 1942 Dykes Winner and still not equalled; 46"; M.

**GUDRUM.**

3-\$1.40 50¢  
An enormous creamy white with petals resembling a magnolia. Brilliant orange beard and a slight gold-dust sprinkling over the entire bloom; heavy texture. The Dykes Winner for 1931.

**GYPSY.**

75¢  
A variegata of great charm; S coppery gold; F chestnut-brown; HM; 48"; M\*. 50¢

**HAPPY DAYS.**

50¢  
Giant primuline yellow, veined morocco red; HM; AM; 39"; EM.

**HELEN McGREGOR.**

\$1.50  
A very beautiful clear pale blue, flaring and daintily ruffled. For light blue it is supreme; HM.

**HOOSIER SUNRISE.**

60¢  
A pretty large flowered mauve-pink and yellow; vigorous; 40"; ML\*.

**JAKE.**

3-\$1.40 60¢  
A pure white with no trace of other colors in it; large and free blooming; 38" ML.

**JASMANIA.**

50¢  
A pretty banana-yellow; HM; AM; 36 inches; very pretty; 36"; ML\*.

**JEAN CAYEUX.**

50¢  
A showy blend of coffee and Havana brown. It must be seen to realize its beauty; a Dykes Winner; 36"; M\*. 50¢

**JEAN LaFITTE.**

50¢  
Glowing coppery rose, a pretty variety. 36 inches; M.

**THREE RHIZOMES OF A VARIETY:**

Any 50¢ variety 3 for \$1.00; 5 for \$1.60.

|   |         |     |  |
|---|---------|-----|--|
| <b>JEB STUART.</b>  | 3—\$.90 | 35¢ | stippled border; 35"; EM.  |
| A pretty red-brown; AM; 36"; M.   |         |     |  |
| <b>KANSAS INGLESEIDE.</b>   | 50¢     |     | <b>MISSOURI.</b> 3—\$1.25; 5—\$1.80 Each 50¢   |
| The first of the reds to bloom. It is a warm toned brown-red self and very pretty. It also blooms again in the fall where the season is long; 34"; E.   |         |     | Strong, medium blue, with flaring petals. It should be in every Iris collection; 40".  |
| <b>KING JUBA.</b>   | 50¢     |     | <b>MOONLIGHT MADONNA.</b> 75¢  |
| Chamois variegata; this is a very pretty variety and much admired by visitors.  |         |     | A lemon-ice. same as Elsa Sass; large flowers; ruffled; 36"; M.  |
| <b>LADY BOSCAWEN.</b>   | 90¢     |     | <b>MOONLIT SEA.</b> 60¢  |
| A ruffled white of elegant beauty; it is a very pretty variety; 40"; M.   |         |     | S white, heavily flushed lavender-violet; F same, darkening to mulberry-purple on lower edge; exquisite golden center; 36" M.                        |
| <b>LADY MOHR.</b>   | 75¢     |     | <b>MOROCCO ROSE.</b> 3—\$1.25; 5—\$1.80 50¢  |
| A cross between the bearded Iris and an Oncocyclo hybrid producing a most unusual Iris. The standards are clear oyster-shell white, the falls frosted chartreuse-yellow with prominent veining; slightly fluted; very pretty. |         |     | A really beautiful warm rose-pink self with a soft yellow glow at the center, beard bright gold; 40"; M.   |
| <b>LEGEND.</b>  | 50¢     |     | <b>MRS. WILLARD JAQUES.</b> 50¢  |
| A huge crimson-claret; showy; 36"; M.   |         |     | A pleasing watermelon pink, waved and frilled. 3—\$1.00; 5—\$1.60  |
| <b>LIBERTY BELL.</b>  | 60¢     |     | <b>MULBERRY ROSE.</b> 3—\$1.90 Each 70¢  |
| White with red-toned feathered stitched edging; very hardy and popular; 32"; M.   |         |     | This is an outstanding variety. Color a deep radiant mulberry-rose self, having a brown shade; bronze beard; HM; AM; 40 inches; M.                   |
| <b>L. MERTON GAGE.</b>  | 60¢     |     | <b>NENE.</b> 50¢   |
| A yellow toned medium pink; fine form and substance; HM; 40".   |         |     | A dandy variety, standards soft lilac and falls rich old rose. The flowers are very large and showy; 38 inches.                                      |
| <b>LORD OF JUNE.</b>  | 50¢     |     | <b>NIGHTFALL.</b> 60¢  |
| Gigantic blue, the falls marked with old gold; AM; SM; 40"; M.  |         |     | F a very velvety rich dark pansy-purple; S a lighter shade; medium blue beard; AM; 36"; M.   |
| <b>LOS ANGELES.</b>   | 50¢     |     | <b>OLA KALA.</b> 3—\$2.00 5—\$3.25 80¢   |
| Gigantic white with standards faintly edged blue and with blue styles. Very showy.  |         |     | A rich golden yellow, almost orange; the falls are flaring and slightly frilled. A Dykes Winner for 1948 and it has been very popular since; 38"; M. |
| <b>LOUVOIS.</b>   | 50¢     |     | <b>OMAHA.</b> 50¢  |
| Two shades of chocolate, deep, rich and velvety. Its a real valuable variety; AM. 36 inches; M.   |         |     | Soft rose to brown-cinnamon; huge flowers.   |
| <b>MADAM MAURICE LASSILLY.</b>  | 65¢     |     | <b>ORMOHR.</b> 59¢   |
| A beautiful sky blue and velvety purple; AM; DM; 37"; M.  |         |     | Gray lavender with veins and dots of violet thruout; AM; 40"; M*.  |
| <b>MAGIC CARPET.</b>  | 60¢     |     | <b>PLUIE D'OR.</b> 50¢   |
| S russet with edges toning to strawberry F dark strawberry edged russet; showy.   |         |     | Dykes Winner; empire yellow; AM; good. 36 inches; ML.  |
| <b>MAJENICA.</b> 36"; M   | 60¢     |     | <b>PINK CAMEO.</b> \$1.00  |
| A salmon tinted pink with wide petals. It is a clear bright smoothly colored self.  |         |     | A new pink of outstanding value. The petals are slightly flaring; the pointed buds are much deeper in color, adding to its beauty; 36"; EM.          |
| <b>MASTER CHARLES.</b>  | 60¢     |     | <b>PLURABELLA.</b> 50¢   |
| A refined glowing mulberry-purple; fine rounded form; has pronounced sheen; 38"; M*.  |         |     | A French variety in blends of yellow and violet-blue; 48"; M.  |
| <b>MATTERHORN.</b> 3—\$1.20 Each 50¢  |         |     | <b>PRAIRIE SUNSET.</b> 3—\$1.60; 5—\$2.50 60¢  |
| A gigantic flowered, pure white with rounded down-falling falls with no veining visible; very light yellow beard; HM; AM. 38 inches: EM.  |         |     | Really a glowing sunset blend of colors, pink, apricot and golden copper, brilliant. ML.   |
| <b>MELANIE.</b> 3—\$1.20 5—\$1.80 50¢   |         |     | <b>RAMESES.</b> 50¢  |
| A lovely large flowered light pink. Truely a fine orchid-pink; 40"; M.  |         |     | The Dykes Winner for 1932; olive-buff to tourmaline-pink; HM; DM; 40"; ML.   |
| <b>MING YELLOW.</b> 3—\$1.25 Each 50¢   |         |     | <b>RANGER.</b> \$1.50  |
| One of the largest, stateliest yellows, evenly toned. Its form and bloom are fine; HM; AM; 36"; M.  |         |     | Very brilliant dark crimson-red; cone-shaped S; one of the fine varieties; 36"; L.   |
| <b>MINNIE COLQUITT.</b> 90¢   |         |     | <b>THREE RHIZOMES OF A VARIETY:</b><br>Any 50¢ variety 3 for \$1.00; 5 for \$1.60.   |
| A beautiful plicata of pearly white, peppered with very striking bluish wine  |         |     |  |

**RED VALOR.**

A superb red that has been selling for \$3.00; received a GM; AM; 38"; L\*.

**REMEMBRANCE.**

A beautiful soft pink and pale yellow blend; a nice variety; 38"; ML.

**ROSE BOWL.**

3-\$1.25 Each 50¢  
Deep rose self with both haft and beard in gold; 40 inches.

**ROSY WINGS.**

50¢  
The Dykes Winner for 1939. A soft rose-red with a trace of coppered shining through and brightened with a bright orange beard; 38"; EM.

**SABLE.**

3-\$1.60 Each 60¢  
Almost a black Iris, with a blue beard. Has a pretty lustrous sheen; 37"; EM.

**SAN FRANCISCO.**

42"; M 50¢  
A Dykes Winner; a dandy lavender plicata.

**SHAH JEHAN.**

50¢  
Rich oriental colors; much admired by visitors; 38"; ML.

**SHARKSKIN.**

60¢  
A pure white with a silken finish with a leather-like substance. It is one of the finer whites and should be in every collection; AM; 38"; M.

**SHINING WATERS.**

50¢  
A lovely satiny blue; HM; AM; 48"; EM.

**SHIRVAN.**

50¢  
Rightly described as Shirvan-rug color; has a golden effect; tangerine B; 33"; M.

**SIERRA BLUE.**

50¢  
A pretty medium blue; Dykes Medal Winner; 48"; M.

**SNOW FLURRY.**

3-\$2.00 5-\$3.00 80¢  
Standards are a pure icy white, nicely ruffled, the falls large, broad and pure white. It is especially valued for its many flowers at one time; 36"; M.

**SOLID MAHOGANY.**

\$1.00  
A smooth deep flowered mahogany-red. In the deep red class this is one of the very best; AM; 38"; M.

**SPANISH PEAKS.**

\$2.00  
This is a complete white; white flower, white throat, half, the style arms and even the beard. It is nicely formed and of heavy substance; AM; 38"; ML.

**SPUN GOLD.**

3-\$1.50 60¢  
The 1944 Dykes Winner. It is very popular. The color is a rich velvety golden yellow and is an all around good variety. 38"; ML\*.

**STARDOM.**

50¢  
A beautiful salmon, shading to buff with a showy bright orange beard. Extremely vigorous; 34"; M.

**SYLVIA MURRY.**

75¢  
A very fine clear frosty blue; good growth; AM; 38"; EM.

**TAJ MAHAL.**

50¢  
A dandy pure white with lavender veins; 36"; M.

**THE ADMIRAL.**

60¢  
Intense blue; F flaring, of fine form; showy; 36"; ML.

**THE BLACK DOUGLAS.**

50¢  
A very rich and velvety blackish violet-purple; a very popular variety; 36".

**THE RED DOUGLAS.**

3-\$1.60 Each 60¢  
A very popular dark red Iris. Very uniform and of great size; the Dykes Winner for 1941. One of the finest Iris; 36".

**THEODALINDA.**

50¢  
The largest plicata of the Los Angeles type; a satiny white with buttonhole stitching of bright but delicate blue; 37".

**TIFFANJA.**

3-\$1.50 60¢  
Creamy colonial buff with more white cast falls, both speckled and sprinkled light golden brown; 36"; M.

**TIFFANY.**

36"; M 50¢  
Yellow and maroon plicata with light yellow background. The heavy plicata borders are deep red-brown or maroon.

**TREASURE ISLAND.**

3-\$1.50 60¢  
A clear yellow self; pure coloring; excellent form; 36"; ML.

**VEISHEA.**

60¢  
A bright rosy copper blend with a clean blue blaze at haft; 36"; M.

**VIOLET SYMPHONY.**

75¢  
Gleaming violet self; huge flower, broad S and wide F; AM; 40"; M.

**WABASH.**

3-\$1.30; 5-\$2.00 Each 50¢  
Here is a showy variety especially in groups. The standards are clean white and the falls bright purple. More white should be planted in the Iris garden and Wabash is especially good for this purpose. The Dykes Winner for 1940; 36"; M\*.

**WAKARUSA.**

75¢  
Velvety burnt orange and brilliant red blend; HM; 34"; M.

**WHITE CITY.**

3-\$1.75 Each 75¢  
Immense silken flowers of blue-white with a showy heart of plumbago-blue. It is a very showy variety; 44"; EM.

**WINTER CARNIVAL.**

38"; M\* 90¢  
A very large crisp white with a touch of gold at the throat. It is a very beautiful variety and one of the best whites.

**INTERMEDIATE IRIS**

To lengthen your IRIS season the Intermediate type should be included in your Iris collection. As they usually grow from 18"-28" high they can be used in places where the taller varieties would not be suitable.

Their blooming season starts in May here in Michigan and continues into the early Tall Bearded season.

**ABELARD.**

3-\$1.00 5-\$1.40 40¢  
A prolific variety; color bright mahogany; HM; 26"; E; this is a real showy variety with its colors in just the right shades.

**ARCHEVEQUE.**

24"; M\* 35¢  
Very free blooming wine-red to black, a

grape color with a very strong grape odor; noticeable in bouquets.

### INTERMEDIATE COLLECTION

15 different varieties of the above list my selection, all labeled for ONLY \$5.00; 10 for \$3.25; postpaid.

**CHALLENGER.** 50¢  
Richest black purple with a brown-orange B; not a real large flower but very free flowering; 28"; E.

**CHYSORO.** 50¢  
This variety sometimes blooms again in the fall; rich yellow; HM; 26"; E.

**DALILA.** 40¢  
S light pinkish white, ruffled; F cherry-red, edged white; B yellow; 24"; M.

**DOXA.** 50¢  
S. metallic sheen, dark buff; F. darker; edged like S; B distinct gold blend; 18"; E.

**FRO.** 3-\$1.30 50¢  
S rich yellow; F dark strawberry edged yellow, heavily feathered in white; 24".

**ELIABETH HUNTINGTON.** 3-\$1.40 50¢  
A blue Zue, sky-blue F with crinkled petals; F darker with reddish tinge; B showy tangerine; this variety looks especially nice viewed from above.

**GAY HUSSAR.** 3-\$1.30 50¢  
A very showy and attractive variegata in chrome and ox-blood; it is very showy for accent in the rockery; 20"; M.

**GLEE.** 50¢  
A soft yellow with frilled petals; rather dwarf growing; AM; 18"; E.

**IRIS KING.** 50¢  
Old gold and deep brown-maroon, edged brown on the standards; AM; 24"; M.

**KING KARL.** 50¢  
Cream dotted with rose; very nice; AM. 28 inches; M\*.

**LA NEIGE.** 50¢  
A pretty waxy cream-white.

**MA MIE.** 50¢  
A pretty white frilled blue; 28"; M\*; AM.

**NEHEWKA.** 50¢  
A beautiful variety; darkest blue-purple plicata on white back ground; 28"; M.

**RED ORCHID.** 50¢  
Vigorous and prolific; brilliant ruby-Brown with gold beard; HM; 28"; E.

**SPARK.** 50¢  
striking fiery brick red; 28"; E.

**ST. OSYTH.** 50¢  
Duck egg-blue self; 30"; M.

**TAN TOY.** 50¢  
A beautiful tan-brown color; 18"; ML\*.

**TITMOUSE.** 50¢  
An unusual Table Iris with beautifully formed flowers in amber-yellow, speckled and edged violet; 28"; M.

### VALANCIA.

Ruffled flowers, orange-buff; 24"; ML.

**WARBLER.** 25"; M\* 50¢  
A pretty pure yellow; nice Table Iris.

**WIDGET.** 24"; EM 60¢  
Table Iris; white plicata, speckled lavender.

**ZUA.** 3-\$1.25; 5-\$2.00 Each 50¢  
A very unusual variety; the most crinkled and ruffled Iris variety; color pearl gray; 18 inches; E.

### REBLOOMING IRIS

If you want Iris blooms in October and November, then try these beautiful varieties. They are all nice.

They give the regular crop of flowers in the spring, just ahead of the Tall Bearded Iris, and if given a rest following and then water freely, they usually produce a second crop of flowers in the fall.

**THREE RHIZOMES OF A VARIETY:**  
Any 50¢ variety 3 for \$1.00; 5 for \$1.60.

**AUTUMN ELF.** 50¢  
This will make a lovely group in a border, of 5-6 plants at least; S. pretty clear cream; F light lavender-blue edged as in S; 18"; M\*.

**AUTUMN FLAME.** 3-\$1.50 60¢  
S a reddish deep copper; F velvety dark maroon; irange B; a dark variety; 40"; E\*.

**AUTUMN FROST.** 50¢  
A shining white; S faint bluish tinge; F white and shows blue more; leaves a nice green color; 36"; EM.

**AUTUMN HAZE.** 50¢  
This has a strong violet odor; light lavender and hyssop-violet; nice; 30"; E.

**AUTUMN KING.** 3-\$1.25 50¢  
A showy blue-lavender bicolor; S a light blue with a lavender tinge; F dark blue-lavender; B real showy orange; 30"; M.

**AUTUMN QUEEN.** 3-\$1.25 Each 50¢  
This is one of the best white re-bloomers, flowering every month in some sections with two flowers to the stem; 18"; E.

**AUTUMN SURPRISE.** 50¢  
The flower is not large but bunches out and makes an attractive clump in the border; S frilled light blue; F darker and feathered with white; B light orange; 24"; M.

**DORCAS HUTCHESON.** 50¢  
A fine deep violet self; 22"; M.

**EQUINOX.** 3-\$1.25 50¢  
Not a large flower but pretty in groups in the border; S glistening light blue; F dark blue; B lemon; 26"; ML.

**FALL BEAUTY.** 3-\$1.25 50¢  
A nice Rebloomer; S cool bronzy brown; F horizontal, light blue edged same color as in S; B a showy orange; foliage is very nice; 34"; E.

**FROST QUEEN.** 50¢  
S frosty white; F same as S and pencilled with yellow; B lemon; 20"; M\*.

**RE-BLOOMING IRIS COLLECTION**

We will send you 18 separate varieties, all labeled, for ONLY \$5.75, our selection. This will make an attractive group for fall flowers.

**GLADSONG.**

An unusual variety; yellow ground pli-cata; 24 inches; M. 50¢

**GOLDEN CATARACT.**

A golden yellow; F lighter; B tangerine, showy; 20"; E\*. 50¢

**GOLDEN HARVEST .**

Olive and citron-yellow; 18"; E. 50¢

**JANE KREY.**

A rich violet self with a red cast and a white beard; 30"; E. 50¢

**JEAN SIRET.**

Yellow, splashed violet; a pretty variety; 12"; E. 50¢

**KANSAS INGLESIDE.**

Rich toned self on the copper side; HM. 32 inches; Medium late. 50¢

**KING JUNIOR.**

Same as Autumn King but in a deeper red; 30 inches; Medium. 50¢

**LIEUT. de CHAVAGNAC.**

Violet, bronze and cream; a dependable boomer; 15 inches; Early. 50¢

**MARTIE EVEREST.**

A very choice variety in a uniform blue. 36 inches; Very early. 50¢

**MRS. WALTER LAMB.**

Mauve pigeon-throat standards and darker grey falls; very choice; 30 inches. 50¢

**OCTOBER BLAZE.**

3—\$1.25 Each 50¢ Deep dancing red; extra early; fragrant. 34 inches; Very early; fragrant. 50¢

**OCTOBER OPERA.**

50¢ A pretty burgundy-red; fragrant; 18"; E\*. 50¢

**OLIVE WHITE.**

50¢

**SANGREAL.**

Slightly frilled yellow; nice; 28"; EM\*. 50¢

**SEPTEMBER SKIES.**

A dandy purple-red; fragrant; 18"; M\*. 50¢

**SOUTHLAND.**

Showy golden yellow; HM; AM; 24"; M. 50¢

**ULTRA.**

Ultramarine-blue; pretty; HM; 25"; E. 50¢

**WHITE AUTUMN KING.**

Snow white re-bloomer; good; 28"; EE. 50¢

**DWARF COLLECTION**

20 Varieties of the above; our selection, all labeled, for ONLY \$6.35 postpaid. 10 Varieties for \$3.25.

**DWARF IRIS**

The Dwarf Bearded Iris has become very popular and next to the Tall Bearded, are the best Iris sellers. They are ideal for edging along walks and in the rockery.

Most of them grow about 8"-10" tall and they should be planted about 12" apart. They flower earlier than the other types of Iris and in the central states, may begin as early as March and by May are through, when the Intermediates and tall types begin to bloom. Their flowers are of the very best colors. We offer only the best varieties.

**THREE RHIZOMES OF A VARIETY:**

Any 50¢ variety 3 for \$1.00; 5 for \$1.60.

**ARAMIS.**

50¢ A dainty light yellow of quality; 5"; E.

**ARENARIA.**

50¢ The foliage is grass-like in this variety; the color a fine yellow.

**AZUREA.**

50¢ A pretty variety in pale blue with beard; second earliest to bloom; 3"; EE.

**BLACK MIDGET.**

3—\$1.25 Each 50¢ Almost a black color; shows up well against a white background; 9"; M.

**BLUE BEARD.**

50¢ An unusual color, olive white with purple streaks on the falls; 8"; E.

**BLUE JADE.**

3—\$1.25 50¢ Large flowered dark blue-purple; 8"; B orange; whole plant has a dark look.

**BRIDESMAID.**

3—\$1.25 Each 50¢ Pale blue and yellow.

**CYANEA.**

90¢ S rich lavender; F darker and very showy; B white; 6"; EE.

**DIXMUDE.**

50¢ A pretty rich violet-purple flower; strong grower; 10"; E.

**DR. MANN.**

50¢ A very long lasting prolific bloomer; smoky to Petunia-violet color; 6"; M.

**EBURNA.**

50¢ Lovely whitish yellow; 10 inches; E.

**ELF.**

3—\$1.25 Each 50¢ A wide petaled red-purpled that makes a bold effect in the rockery; 9".

**FAIRY.**

3—\$1.25 Each 50¢ One of the best "50"; light yellow.

**FLORIDA.**

50¢ A soft primrose-yellow; very attractive. 6 inches; Early.

**GRAMINEA.**

50¢ Strong growing rich red toned fragrant variety; 12 inches; E.

**HARBOR LIGHTS.**

3—\$1.25 Each 50¢ Light yellow and of the best quality.

|  |                       |   |  |  |
|--|-----------------------|---|--|--|
| <b>LADDIE BOY.</b>   | 50¢                   | <b>SIBERIAN COLLECTION</b>  |  |  |
| A rich velvety deep blue; 15"; E.  |                       | 6 Varieties, my selection for ONLY \$2.50, postpaid. This is a special offer; all plants labeled. |  |  |
| <b>LITTLE JEWEL.</b>   | 3—\$1.25 Each 50¢     |   |  |  |
| A pretty white variety with a faint blue cast and olive-green and ochre veins at the haft; E.  |                       |   |  |  |
| <b>LOBELIA.</b>  | 50¢                   |   |  |  |
| A very good dark blue self; 8"; E.   |                       |   |  |  |
| <b>MOROCAIN.</b>   | 3—\$1.25 Each 50¢     |   |  |  |
| The standards are a clear violet; the falls a pansy-violet; nice.  |                       |   |  |  |
| <b>MIST O'PINK.</b>  | 60¢                   |   |  |  |
| A showy red-pink with flaring falls; one of the best of the Dwarfs; 8"; E*.  |                       |   |  |  |
| <b>ORANGE QUEEN.</b>   | 50¢                   |   |  |  |
| A beautiful deep rich yellow; substance very good; fragrant; 6"; E*.   |                       |   |  |  |
| <b>PUMILA ATROVIOOLACEA.</b>   | 50¢                   |   |  |  |
| The Easter Iris; very dwarf and strong grower; violet color; 5"; EE*.  |                       |   |  |  |
| <b>ROSE MIST.</b>  | 50¢                   |   |  |  |
| A very lovely mauve-pink; popular. 10 inches; early.   |                       |   |  |  |
| <b>SCHNEEKUPPE.</b>  | 50¢                   |   |  |  |
| White with a cream throat; one of the best "50"; 6".   |                       |   |  |  |
| <b>SILVER ELF.</b>   | 50¢                   |   |  |  |
| This has a pretty frilled flower in a silky silver white flushed royal purple on the falls; 10"; E.  |                       |   |  |  |
| <b>SNOW MAIDEN.</b>  | 50¢                   |   |  |  |
| A nice brown-tan blend of colors and a creamy gold beard; 16"; E.  |                       |   |  |  |
| <b>SOCRATES.</b>   | 50¢                   |   |  |  |
| An excellent massing variety; uniform garnet tones; 6"; E.   |                       |   |  |  |
| <b>SPRING SKIES.</b>   | 50¢                   |   |  |  |
| A more vigorous Azurea; 6"; EE.  |                       |   |  |  |
| <b>STEWART.</b>  | 50¢                   |   |  |  |
| A small and dainty yellow self; 6"; EE*.   |                       |   |  |  |
| <b>TAMPA.</b>  | 50¢                   |   |  |  |
| Grass-like foliage; dainty; red toned with cream; HM; 10" EE.  |                       |   |  |  |
| <b>TINY TONY.</b>  | 50¢                   |   |  |  |
| Very small variety; red toned; 4"; E*.   |                       |   |  |  |
| <b>TONY.</b>   | 50¢                   |   |  |  |
| Richest wine color; orange beard; 3"; E.   |                       |   |  |  |
| <b>VILLEREAL.</b>  | 50¢                   |   |  |  |
| Very nice variegata in old rose; 8"; E.  |                       |   |  |  |
| <b>YELLOW FRILLS.</b>  | 50¢                   |   |  |  |
| A very choice deep yellow dusted gold; frilled flowers; 10"; E*.   |                       |   |  |  |
| <b>THREE RHIZOMES OF A VARIETY:</b>  |                       |   |  |  |
| Any 50¢ variety 3 for \$1.00; 5 for \$1.60.  |                       |   |  |  |
| <b>SIBERIAN IRIS</b>   |                       |   |  |  |
| These are shipped separately from the other types of Iris and will reach you late in September. See that the rhizomes are protected from heaving out of the ground by winter frosts. Otherwise there are no special cultural directions.                                   |                       |   |  |  |
| <b>BOB WHITE.</b>  | 3—\$1.25 Each 50¢     |   |  |  |
| A nice waxy snow white variety.  |                       |   |  |  |
| <b>CAEZAR'S BROTHER.</b>   | 50¢                   |   |  |  |
| An intense velvety blue, real dark; 48"; the most popular of this color; a bed of it is really a sight.  |                       |   |  |  |
| <b>GAY HEART.</b>  | 3—\$1.25 Each 50¢     |   |  |  |
| A nice dark blue self.   |                       |   |  |  |
| <b>HELEN ASTER.</b>  | 3—\$2.25 Each 90¢     |   |  |  |
| Well rounded rosy red with halo near the throat of the falls; AM; HM; 30".   |                       |   |  |  |
| <b>MILDRED STALHAN.</b>  | 50¢                   |   |  |  |
| Pale China-blue; F horizontal.   |                       |   |  |  |
| <b>NORA DISTIN.</b>  | 50¢                   |   |  |  |
| Blue and white; nice form.   |                       |   |  |  |
| <b>PERRY'S BLUE.</b>   | 3—\$1.00 Each 50¢     |   |  |  |
| One of the best blues.   |                       |   |  |  |
| <b>SKYLARK.</b>  | 3—\$1.25 Each 50¢     |   |  |  |
| An exquisite light blue.   |                       |   |  |  |
| <b>SOUND MONEY.</b>  | 3—\$1.25 Each 50¢     |   |  |  |
| A good clear yellow; one of the best "50".   |                       |   |  |  |
| <b>SUMMER SKY.</b>   | 75¢                   |   |  |  |
| F flaring white; S pale blue; 32".   |                       |   |  |  |
| <b>WHITE DOE.</b>  | 3—\$1.25 Each 50¢     |   |  |  |
| A beautiful large white flower   |                       |   |  |  |
| <b>IRIS SPECIES</b>  |                       |   |  |  |
| <b>BRON SPUR.</b>  | 75¢                   |   |  |  |
| Sepia and old gold and yellow; 60".  |                       |   |  |  |
| <b>CHAMAEIRIS.</b>   | 3—\$1.25 5—\$2.00 50¢ |   |  |  |
| These bloom just after the Dwarfs and grow 6-12 inches tall; I have several unnamed varieties, all very nice; where 3 or 5 are ordered, they will all be different. I recommend them highly for a dwarf planting; even the foliage is attractive during the entire season. |                       |   |  |  |
| <b>CRISTATA.</b>   | 75¢                   |   |  |  |
| A beautiful little species native of Ky. and nearby states. Should be moved right after flowering in May. Flower is a light blue with a beautiful dark blue eye; 3"; ideal for the rockery.  |                       |   |  |  |
| <b>ENSATA.</b>   | 75¢                   |   |  |  |
| <b>ENSATA, PEKIN FORM.</b>   | 75¢                   |   |  |  |
| <b>FLAVESCENS. (Imbricata)</b>   | 75¢                   |   |  |  |
| <b>HOOKERIANA.</b>   | 75¢                   |   |  |  |
| <b>IMBRICATA. (flavescens)</b>   | 75¢                   |   |  |  |
| <b>KERNERIANA.</b>   | 75¢                   |   |  |  |
| <b>KOCHII.</b>   | 3—\$1.25 Each 50¢     |   |  |  |
| A bearded species; early; fragrant; red-   |                       |   |  |  |

**PSEUDACORUS BASTARDII.**

75¢

**PSEUDACORUS FL. PL.**

75¢

A rare double form of beardless Iris; rosette-like flowers in deep yellow.

**SPURIA v. NOTHA.**

3-\$1.50

75¢

This resembles the Siberian Iris and

this variety is a more robust type with leaves an inch wide, flowering stems 2-3 ft., and the flower a shade of lilac; it resembles Glads and is excellent for cutting.

**TENAX.**

3-\$1.50 75¢

A bright lilac flower; the leaves form a dense tuft from short creeping rhizomes; 1 ft.; native of North Pacific Coast.

# BOTANICAL BULB LIST

## TULIP SPECIES

We list below rare and hard to secure species of Tulips, anyone of which will be an attractive addition to your garden; many of the small and dainty flowered kinds are recommended for the rock garden. If you have never grown these beautiful little flowers before, at least plant a collection of them this year, that you may be able to order your favorite next year.

**PRICES:** 25 and 50 at 100 Price; 6 at Dozen Price. Prepaid.

Dozen

**—Acuminata.**

100-\$14.00

\$2.50

The Horned Tulip; long curiously twisted petals of red and yellow makes this little gem an interesting cut flower; 22".

**—Batalini.**

100-\$18.00 \$2.40

Charming in April, dainty flowers of pretty form and distinct color, soft chrome yellow with deeper yellow center, beautiful companion to *T. linifolia*; beautiful as it is rare; 6 inches.

**—Biflora.**

100-\$7.00 \$1.40

Probably is the smallest Tulip grown bearing on branching stems small white flowers with yellow centers; give it a warm sunny spot in the rock garden for March flowers.

**—Chrysanthia.**

100-\$6.50 \$1.25

A pretty little species similar to *T. clusiana*, yellow with red on outside of petals; perfect drainage, warm place, with pocket of sand under each bulb; 16 inches.

**—Dasystemon.**

100-\$10.00 \$2.00

Very attractive low growing species, 3-5 flowers on a stalk, yellow edged with white, very pretty for rock garden; 6".

**—Eichleri.**

100-\$7.00 \$1.40

Large dazzling scarlet flowers with center of yellow, edged black and a most satisfactory flower in the border, lasting a long time; sun; 12 inches.

**—Fosteriana Red Emperor.** 100-\$11.00 \$1.25

This variety is beyond description, it has the largest flowers of any Tulip and claimed positively the best Tulip in cultivation; the loveliest shade of glowing scarlet imaginable, base yellowish; 22 inches.

**—Greigii.**

Each \$2.00

One of the best wild Tulips, very beautiful with its glowing vermilion-scarlet flowers, with yellow base and large maroon-black blotches, flowers are large; give a warm place and sandy soil; 9 inches.

**—Hageri.**

100-\$12.00 \$2.30

Quaint little globular flowers of copper

color with black base, edged yellow, now very rare; April flowering; 9 inches.

**—Kaufmanniana.**

100-\$7.00 \$1.25

Water Tulip. This is one of the finest botanical Tulips, being amongst the earliest to flower, April, color soft creamy white, center slightly marked with carmine red. The petals reflex upon opening and appear much like a *Nymphaea*; they are especially recommended for groups in the rock garden, where they will last and flower for years; 6 inches.

**—Scarlet Elegance.** 100-\$16.00 \$2.00

This is a very brilliant variety with its numerous small scarlet flowers with exterior orange-red, very early and well recommended; 5 inches.

**—The First.**

100-\$10.00 \$1.40

The earliest to flower of the Kaufmannian; deep cream-yellow passing to white exterior of flower scarlet; 8 inches.

**—Kolpakowakiana.**

100-\$10.00 \$1.70

This has become rather rare; very pretty with slender stems and yellow flowers with exterior markings of red; 14 inches.

**—linifolia.**

100-\$9.00 \$1.25

One of the most beautiful of the dainty species flowering in April; small brilliant scarlet-vermilion flowers with black base; makes a beautiful sight with *Sedum glaucum* or in groups with the Batalini species in the rock garden; 8 inches.

**—Marjoletti.**

100-\$9.00 \$1.30

An especially fine cutting flower, soft red; 18 inches high.

**—Orphanidea.**

90¢ Each \$10.00

A very rare April flowering Greek species with orange flushed bronze and green center, 3 to the stem, the purplish foliage forming a rosette on the ground; 12 inches.

**—Ostrowskilana.**

Each 50¢

A really beautiful species with orange-red flowers gracefully reflexed petals on slender stems; 8 inches.

**—persica.**

100-\$20.00 \$4.00

Breyniana. A very valuable rock garden species, late blooming, flowers glowing yellow with copper flushed on exterior, fragrant and produces several flowers on a stem; 8 inches high.

**—Praestans.**

100-\$9.00 \$1.75

An interesting April flowering species, producing 3-4 flowers per stem of the loveliest orange-scarlet imaginable; 16".

**—pulchellia humilis.** 50¢ Each \$5.00  
This is a very rare and beautiful species which always attracts attention; Crocus-like flowers of a pretty violet-pink shade with very large and distinct yellow base making an ideal flower in the rock garden or border; 6 inches high.

**—saxatilis.** 100—\$18.00 \$2.40  
Another very rare species from Crete bearing 1-3 pretty pure lilac flowers with a deep yellow center; plant where it will be dry during the summer or they may be lifted and stored in a dry warm place till planting time in the fall; 4 inches.

**—tarda.** 100—\$9.00 \$1.25  
Dasytemon. A fine rock garden species, starry white flowers with yellow eye, 3-5 to the stem; exterior shaded green or grey; 6 inches high.

#### EXTRA BULBS FOR EARLY ORDERS.

**—turkestanica.** 100—\$7.00 \$1.25

A very pretty species closely allied to *T. biflora* but more robust in habit and with 5-9 flowers on a stem, creamy white with a green or bronzy flush on the exterior and with great lasting qualities; 10".

### NARCISSUS SPECIES

The various species of *Narcissus* make a beautiful showing in both the border and the rock garden and every well planted garden should have specimens of each; they are all easily grown. If some sand can be worked into the soil during the summer months, before planting, that it will be on the 'loose' side, you will have a better growth on these small bulbs; this is especially true if your soil is clay.

**PRICES:** 25 at 100 rate; 3 at Dozen.  
Postpaid. per Dozen.

**—bulbocodium.** 100—\$8.00 95¢  
Hoop Petticoat Narcissus. This is a distinct yellow type with a long wide mouthed trumpet, shaped like an old fashioned hoop skirt; for a warm spot in the rock garden and a pretty dainty flower in pots; 6 inches high.

**—canaliculatus.** 100—\$9.00 \$1.00  
Like a miniature *Polyanthus Grand Monarque* with several tiny flowers on a dwarf stem; very fragrant, small white petals and bright golden cup, interesting for the rock garden; six inches.

**—Cyclamineus.** 100—\$15.00 \$2.75  
The Cyclamen-flowered Daffodil with small clear yellow flowers and a much reflexed perianth.

**—triandrus albus.** 100—\$10.00 \$1.30  
Angel's Tears Daffodil. Small rush-leaf Daffodil from Spain. An exquisite flower for the rock garden; slender growth and producing a cluster of elegant little creamy white flowers with globular cup and the perianth reflexing like the Cyclamen; 7".

### ALLIUMS

Flowering Onion. They are beautiful flowering subjects for the garden and many are especially fine for the rock garden, where small dwarf plants are wanted. They are easily grown and make an interesting display. We offer a very extensive list of these flowers in seed but the following species are easily secured in the bulb form.

**PRICES:** 25 at 100 rate; 3 at Dozen.  
Postpaid. per Dozen.

**—albopilosum.** 100—\$10.00 \$2.00  
Flowers lilac, 8 inches across in umbels; 3 feet high; Persia.

**—azureum.** 100—\$6.00 \$1.40  
(caeruleum) Flowers deep blue in dense globose umbels 2 inches across; 4 feet.

**—Moly.** 100—\$6.00 \$1.40  
Bright yellow, star-like, in many flowered umbels 3 inches across; 18 inches high.

**—neapolitanum grandiflorum.** \* \$1.00  
100—\$5.00. White flowers in umbels 3 inches across; 1 foot high.

**—Ostrowskianum.** 100—\$5.00 \$1.00  
Maroon flowers; 6 inches; Turkestan.

**—Rosenbachianum.** 100—\$9.00 \$1.60  
Purple flowers in large globose umbels; 2 feet; Turkestan.

**—spharecephalum.** 100—\$6.00 \$1.30  
Reddish purple flowers in dense globose umbels; 3 ft.

### ERANTHIS

Winter Aconite. The earliest of Spring flowers; golden Buttercup-like flower, resting on emerald-green cushions of leaves that produce a charming and pretty effect in the very early days of Spring when planted with Snowdrops, *Chionodoxa*, *Scilla siberica*, etc., wonderful displays can be had. They do best in shady places, under trees and in moist spots where few other plants will thrive, where it will densely carpet the ground with its bright green foliage. It increases readily from seed; plant about 3 inches deep and 4 inches apart; order early and plant immediately upon receipt, they must be planted early.

**—cilia.** 100—\$4.00 50¢  
A very lovely species from Asia Minor. deep yellow, foliage bronzy and more finely cut than *E. hyemalis*, and later.

**—hyemalis.** 100—\$4.00 50¢  
Very early; bright golden yellow flowers.

**—Tubergenii.** 100—\$11.00 \$2.00  
A very pretty new hybrid with large golden yellow flowers that, being sterile, last much longer.

### FRITILLARIAS

They produce a fine effect when naturalized in the grass on banks, in shady places or under large trees and are especially charming in groups in the border and rock garden; they bloom in May; plant 3-4 inches deep, 3 inches apart and immediately upon receipt. Order these early and it is advisable to mulch when possible, the first winter. They last indefinitely when once established. Common names Checkered Lily, Guinea Hen Flower.

**—alba.** 100—\$5.00 75¢  
A pretty white with checkerings of greenish yellow.

**—Aphrodite.** 100—\$5.00 80¢  
This is a strong growing pure white.

**—Artemis.** 100—\$5.00 80¢  
Very fine large-bell variety in two tones of wine color.

**—Poseidom.** 100—\$7.00 \$1.30  
Very large flowers on short 6" stems, whitish checkered purple.

**—Saturnus.** 100—\$5.00 \$1.00

A pretty effect in pinkish checkering, large flowers.

### GALANTHUS

Snowdrops. Permanent planting should be made in partly shaded spots for they flower very early in the Spring; under the shrubbery border, in the lawn and woodland, they make a fine display; plant them thickly; the bulbs arrive in August, so they should be ordered early.

|                            |            |     |
|----------------------------|------------|-----|
| — <i>Nivalis</i> , Single. | 100—\$6.00 | 90¢ |
| — <i>Nivalis</i> , Double. | 100—\$6.00 | 90¢ |

### IXIAS

African Corn Lily. Exceedingly free flowering, very graceful, bearing on wiry stems, long racemes of bloom; they increase rapidly; invaluable for cutting, easily grown in pots and produce a combination of colors not found in other plants. Plant bulbs from October to December, 2" apart and 3" deep in prepared light loamy soil, in a sunny position, protected from cold winds; cover with coarse sand and mulch with coarse straw but remove in March.

|   |            |        |
|---|------------|--------|
| — <i>Afterglow</i> .                                | 100—\$4.00 | 80¢    |
| Orange-buff, exterior bronzy; attractive.           |            |        |
| — <i>Aurea</i> .                                    | 100—\$5.00 | \$1.00 |
| Distinct shade of blue with purple center.          |            |        |
| — <i>Bridesmaid</i> .                               | 100—\$4.00 | 75¢    |
| White flowers with a carmine eye.                   |            |        |
| — <i>Hogarth</i> .                                  | 100—\$4.00 | 80¢    |
| A large creamy yellow, purple eye.                  |            |        |
| — <i>Hubert</i> .                                   | 100—\$5.00 | 90¢    |
| A free flowering coppery red, shaded violet.        |            |        |
| — <i>Wonder</i> .                                   | 100—\$5.50 | \$1.00 |
| A distinct variety, brilliant pink, double flowers. |            |        |

### MUSCARI

A bulbous plant from Asia, with narrow basal leaves, the flowers in umbels. It is best to store the bulbs inside over Winter.

Flowers lilac, 1½ inches long in 4-6 flowered umbels.

Grape Hyacinths. These are so easily grown and make such pretty displays, that every garden should have a planting of them; usually the common Grape Hyacinths will be found in the old gardens but the newer varieties are far superior in color and flower, that one should try at least one variety each year for naturalizing as they multiply rapidly and not easily killed out. Plant them 2-3 inches deep and about 2-3 inches apart; full sun.

|   |            |     |
|---|------------|-----|
| — <i>armeniacum</i> .   | 100—\$5.00 | 90¢ |
| Early Giant. Brilliant blue, improved variety and a fine pot plant as well. |            |     |

|   |            |     |
|---|------------|-----|
| — <i>azureum</i> .  | 100—\$4.50 | 80¢ |
| Hyacinthus azureus. Dainty little spikes of Cambridge-blue, in Feb; charming in the rock garden or on grassy banks. |            |     |

|  |            |     |
|--|------------|-----|
| — <i>azureum amphibolus</i> .                                      | 100—\$7.00 | 95¢ |
| Freyianum. Delicate pale blue, flowering after H. <i>azureum</i> . |            |     |

|   |            |     |
|---|------------|-----|
| — <i>botryoides</i> .   | 100—\$4.00 | 80¢ |
| Best known of the Muscaris, each bulb sending up 2 flower stalks bearing light blue flowers that smell like ripe plums. |            |     |

|  |            |     |
|--|------------|-----|
| — <i>album</i> .   | 100—\$5.00 | 95¢ |
| White Grape Hyacinths. Pretty little fragrant pure white flowers, fine for the rock garden or in pots. |            |     |

|                    |            |     |
|--------------------|------------|-----|
| — <i>comosum</i> . | 100—\$4.50 | 90¢ |
|                    |            |     |

The Tassel Hyacinth. Greenish flowers with purple tops.

|  |            |     |
|--|------------|-----|
| — <i>plumosum</i> .  | 100—\$4.00 | 80¢ |
| Feathered Hyacinth. Most unusual and fascinating flower, of soft purplish filaments or threads curiously twisted and curled; good indoor plants; June. |            |     |

|  |            |     |
|--|------------|-----|
| — <i>latifolium</i> .  | 100—\$5.00 | 90¢ |
| A very distinct and rare species; upper part of flower pale blue, lower dark blue. |            |     |

|   |            |     |
|---|------------|-----|
| — <i>paradoxum</i> .  | 100—\$5.00 | 95¢ |
| Starch Hyacinth. Very distinct with a large, nearly black flower of good size and form. |            |     |

### ORNITHOGALUM

Bulbous plants of the Lily Family; the hardy kinds can be grown in Michigan but the tender South African species should be grown indoors in the North.

|                                   |            |     |
|-----------------------------------|------------|-----|
| — <i>nutans</i> .                 | 100—\$5.00 | 95¢ |
| These have grayish green flowers. |            |     |

|   |            |     |
|---|------------|-----|
| — <i>umbellatum</i> .   | 100—\$4.00 | 95¢ |
| Star of Bethlehem. Flowers are white with a green margin, one inch across; they grow very freely with us even in grass. |            |     |

### PUSCHKINIA

(push-KIN-e-ah) A small bulbous plant of the Lily Family, with flower heads not much different from little blue Hyacinths. Their culture is the same as for Scillas.

|  |            |     |
|--|------------|-----|
| — <i>libanotica</i> .                        | 100—\$4.50 | 95¢ |
| Pretty lavender-blue flowers, 5 inches high. |            |     |

### SCILLAS

Charming early spring flowers, planted either in masses or as edging in the border or beds; dwarf, compact and they can be grown in pots or bowls indoors. Plant it in generous quantities. There are different types as will be noted under the descriptions; the taller varieties are especially nice in the border, either in shade or full sun.

|  |            |     |
|--|------------|-----|
| — <i>bifolia</i> .   | 100—\$3.00 | 80¢ |
| Dwarf deep blue blooming with Winter Aconite in February; excellent in masses or in the rock garden. |            |     |

|  |            |     |
|--|------------|-----|
| — <i>campanulata alba maxima</i> .   | 100—\$5.00 | 90¢ |
| Wood Hyacinths. Flowers in May and best for naturalizing in the woods, wild garden, shrubbery, etc., and thrives in very shady places; pure white. |            |     |

|                            |            |     |
|----------------------------|------------|-----|
| — <i>Arnold Prince</i> .   | 100—\$5.00 | 95¢ |
| Long trusses of deep rose. |            |     |

|                                     |            |     |
|-------------------------------------|------------|-----|
| — <i>Blue Queen</i> .               | 100—\$4.00 | 90¢ |
| An early pale blue; large flowered. |            |     |

|   |            |     |
|---|------------|-----|
| — <i>Excelsior</i> .  | 100—\$4.00 | 90¢ |
| A very strong grower; extra large bold spikes of bright blue. |            |     |

|                             |            |     |
|-----------------------------|------------|-----|
| — <i>Peach Blossom</i> .    | 100—\$5.00 | 90¢ |
| Large peach-blossom blooms. |            |     |

|   |            |     |
|---|------------|-----|
| — <i>White Triumphator</i> .                                    | 100—\$5.00 | 90¢ |
| A very robust variety producing pure white flowers; extra good. |            |     |

|  |            |     |
|--|------------|-----|
| — <i>sibirica</i> .  | 100—\$5.00 | 90¢ |
| Siberian Squill. Bright blue flowers, dwarf and compact habit making them excellent for pot culture; they are fine in the garden for early Spring flowers. |            |     |

|   |            |     |
|---|------------|-----|
| — <i>Spring Beauty</i> .  | 100—\$5.00 | 90¢ |
| A new introduction with flowers twice the size of the species; the flowers are sterile and thus last longer; a lovely Delphinium-blue of upright habit. |            |     |

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6-11

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